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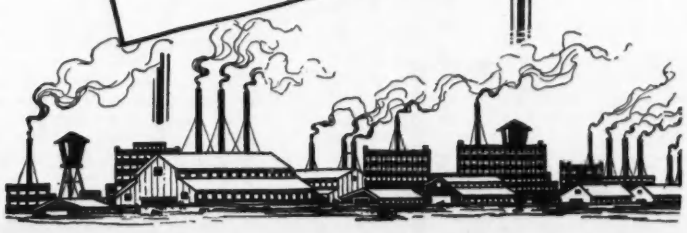

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3 ethanolamines...

Diethylethanolamine

$(C_2H_5)_2NC_2H_4OH$

...is used chiefly in the syntheses of antispasmodics, anti-malarials, and pain-relieving pharmaceuticals. Its fatty esters are of particular value as emulsifying agents for waxes and oils to be applied under acidic conditions, as in the case of textile waterproofing compounds. These oil-soluble esters can be used in inks and paints as surface-active materials and may have value as rust inhibitors in petroleum products.

Dimethylethanolamine

$(CH_3)_2NC_2H_4OH$

...is an intermediate in the synthesis of compounds used as corrosion inhibitors, anesthetics, acetate rayon dyestuffs, and textile auxiliaries and lubricants. Dimethylethanolamine forms highly surface-active esters which are well suited to cationic flotation processes. It is also valuable itself as a corrosion inhibitor in return condensate low-pressure steam systems.

Methyldiethanolamine

$CH_3N(C_2H_4OH)_2$

...is an intermediate in the manufacture of resins, pharmaceuticals, insecticide intermediates, emulsifying agents, and textile agents and dyestuffs. Methyldiethanolamine is a tertiary amine with two highly active hydroxyl groups and is a valuable product for the preparation of a wide variety of compounds.

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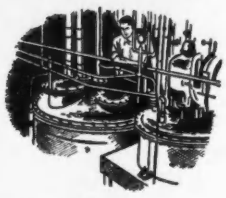

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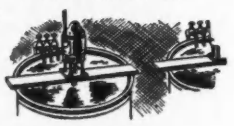

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Founded 1871 by William O. Allison *Published by Schnell Publishing Co., Inc.*

Vol. 149 No. 16 New York 7, N. Y. April 22, 1946

Freight Rates Upping Of 25 Percent Asked

OPD Washington Bureau

An increase of 25 percent in freight rates, with certain exceptions as to which lesser increases were sought, was proposed to the Interstate Commerce Commission April 15 by the nation's railroads. The increases were asked to go into effect May 15, subject to modification by subsequent orders of the commission.

The 25 percent increase would blanket in all chemicals and drugs and most of the allied products. The only exceptions, to which smaller increases would apply, included the following:—

Starch, 25 percent, except that where included in list of articles taking grain, grain products or byproducts rates, the same increase as provided for those commodities will be applied. Sulphur (brimstone), 1c. per 100 pounds.

Products of mines, n.o.s. 25 percent, except silica, glass, industrial and molding sand, 40c. per ton; fluxing stone, 30c. per ton; raw dolomite, 30c. per ton; bituminous asphalt rock, 30c. per ton; asphaltic limestone, 20c. per ton; asphalt coated rock 20c. per ton.

Petroleum and petroleum products, when in tank cars, 25 percent, maximum 6c. per 100 pounds; when in other containers, 25 percent. Petroleum products, n.o.s. 25 percent.

Vegetable oils, domestic, export and import rates, 25 percent, except eastbound transcontinental rates, maximum increase will be 12c. per 100 pounds. Cement, natural or Portland, 50c. per ton.

In its petition, the railroads stated that a general and immediate increase in freight rates is imperative to meet the critical situation resulting from the combination of increased wages of railroad employees, increased and increasing prices for materials and supplies and a severe decline in traffic and revenue with freight rates still at prewar levels and passenger fares only slightly higher than before the war.

No increase is asked in present passenger fares, but it is proposed that the existing 10 percent increase which is to expire six months after the legal termination of the war, be continued indefinitely.

Fertilizer Requirements For Crop Year Estimated

OPD Washington Bureau

Fertilizer requirements for the United States, outlying possessions during the new crop year are estimated at 800,000 tons of N 1,850,000 tons of P_2O_5 and 800,000 tons of K_2O, members of the Fertilizer Industry Advisory Committee were informed at a meeting with government officials, April 18.

These requirements are about the same as those for the last year. Some doubts were expressed, however, that the requirements will be met in view of the current shortage of nitrogen and the acute shortage of potash, which may necessitate potash going back under allocation.

Worldwide shortages of fertilizers also entered into the discussion, as well as the current coal strike threatening the production of ammonium sulphate.

So. Alkali Plans Caustic Output in Louisiana

OPD Washington Bureau

The Lake Charles, La., magnesium reduction plant, operated by Mathieson Alkali Works during the war, has been leased for twenty years to the Southern Alkali Corporation, according to the War Assets Corporation. The power plant at the project has been sold to the Gulf States Utilities Corporation.

WAA said that the lease will begin to run after a one-year construction period during which the Southern Alkali Corporation installs additional equipment and do certain reconverting work. The lessee intends to use the plant for the production of caustic soda and liquid chlorine.

Reelected President

Howard I. Young, president of the American Zinc, Lead & Smelting Company, St. Louis, was reelected president of the American Zinc Institute at a meeting in the Biltmore hotel, New York. All other officers of the institute also were reelected.

Phosphate Rock Being Shipped to Germany

OPD Washington Bureau

The War Department has disclosed that phosphate rock is being shipped into Germany from North Africa to augment its shortage of fertilizers.

In its weekly report on operations of the Military Government in the U. S. Zone, it was stated that one of three ships bringing phosphate rock from North Africa has docked at Hamburg, carrying 8,000 tons. British zone factories will process the rock and provide the U. S. zone with 50 percent of the processed rock for fertilizers.

The report added that fertilizer production capacity in all of Germany is only 71 percent of that required for nitrogen and only 25 percent of that needed for phosphate fertilizers.

It was also stated that a contract has been signed for purchase from France of considerable quantity of alfalfa seed, source of nitrogen, for use in the zone. Six thousand tons of hemp and 150 tons of hemp seed have been negotiated for from Italy and 250 tons of flaxseed from the Netherlands.

Philippine Trade Bill Passes Senate

OPD Washington Bureau

The Philippine trade bill (H. R. 5856) to aid restoration of the Philippine economy through tariff concessions on most of the islands' principle exports to this country was passed by the senate April 15.

No change was made in the provisions of the bill respecting imports of Philippine copra and coconut oil. The bill sets a duty-free quota of 200,000 long tons of coconut oil for the next eight years and for the next twenty years the quota is reduced 10,000 tons annually. Copra will be permitted to enter the United States free of ordinary customs duties until July 3, 1954. There is no quota on the amount that can be brought in either before or after that date.

Jap Rubber, Antimony Exports for U.S. Ordered

The Japanese government has been ordered to prepare for export to the United States 10,000 metric tons of rubber, not less than half of which must be grade No. 1 and the remainder grade No. 2; 1,500 metric tons of antimony, 98.5 percent pure or better, and 10,000 metric tons of pig tin, at least 99.8 percent pure.

Atomic Energy Use for Industrial Power Essayed by Monsanto Co.

OPD Washington Bureau

Production of electric power through nuclear fission—the first effort to make use of the knowledge of atom-splitting for peacetime industrial pursuits—will be attempted at Oak Ridge, Tenn., by Monsanto Chemical Company in an experimental plant to be erected there under the direction of the War Department.

Construction of the plant, which is now in the blueprint stage is expected to be completed late this year or early next year. An initial expenditure of $2,500,000 already has been provided and Dr. Charles Allen Thomas, of St. Louis, vice-president and technical director of Monsanto, who supervises the company's Clinton laboratories at Oak Ridge, has been appointed director of the project.

Major General Leslie R. Groves, head of the Manhattan atomic project, in disclosing plans for the power project in an announcement made at Oak Ridge last week emphasized that it will be an experimental plant to find out whether atomic energy can be harnessed for generation of peacetime electricity. He described it as a pilot plant; in other words, "a research tool from which knowledge will be derived for subsequent development and explanatory work. It must therefore, be used," he added, "in light of a scientific and engineering experiment, rather than an economically practical application of neculear fission."

No details of the processes to be employed in generating electric energy through atom splitting were given by officials. Whether U-235, an isotope or variant, of uranium, or plutonium, one of the newer elements transmuted from uranium, will be the fuel has not been determined. But it is understood that the project will work on the principle of using the tremendous amounts if heat generated through nuclear fission of the fuel to produce steam which in turn will be used to drive the turbines in the same manner that steam generated from coal is so used.

The Army said that the plant will be entirely free of danger of explosion, thus indicating that the operations will deal with the slow chain reaction type of fission rather than the fast, which is the principle of the atomic bomb. Patent rights which may result from the experimental work will be vested in the government.

Gen. Groves said that the primary consideration is the need to reduce to practice some of the many ideas for power piles (or reactors) developed as an outgrowth of the atomic bomb program and to supply evidence that might be of value in clarifying any international patent situation that might arise.

He added that in evaluating prospects of the proposed plant it is important to remember that a great amount of work remains to be done before fissionable material can be brought within the range of economic usability—indicating that the first current produced doubtless would cost much more than commercial power.

Glandular Materials Shortage Acute

OPD Washington Bureau

A grim warning that victims of glandular diseases may suffer because of an increasing shortage of glandular raw materials produced as a by-product of cattle slaughter was laid before the senate committee on agriculture and forestry April 15 by G. L. Childress, general manager of the Houston Packing Company, Houston, Texas.

Mr. Childress said that he knew of at least five large pharmaceutical manufacturers who have been forced to curtail their production of glandular extracts as a direct result of the diversion of livestock into the black market.

He said that Wilson Laboratories, Chicago, manufacturers of pharmaceuticals, informed him that the "marked falling off in receipts of cattle has resulted in our supplies of certain glandular raw material being reduced to the point where we will have to discontinue operations."

A letter from Parke, Davis & Co., Detroit, Mr. Childress stated, advised that "the situation is perhaps more critical than at any time since the beginning of the war." The letter stated that the company had been able to obtain only about one-third of normal requirements of pituitary glands of cattle for products used in childbirth, surgical cases and for shock; only 50 percent of beef suprarenal gland needs —adrenalin for heart stimulants and treatment of asthmatic conditions, and extract of suprarenal cortex for treatment of Addison's Disease.

He also quoted telegrams from Eli Lilly & Co., and G. D. Searle & Co. complaining of the situation.

Carbon Black Improved Output Method Reported

New manufacturing methods which produce carbon blacks peculiarly adapted to synthetic rubber were described by Dr. W. R. Smith, chief research chemist for Godfrey L. Cabot, Inc., carbon black manufacturer, Boston, at a meeting of the Western New York group of the American Chemical Society, held in Buffalo, April 16.

Dr. Smith said that the new methods also make possible a more efficient recovery of carbon black from sour natural gases that otherwise would be wasted.

Work is now underway which is associated with the ability of carbon black to increase tire wear some 20,000 miles, Dr. Smith said, and further studies may result in production of blacks which exceeds this figure.

Owens-Illinois Sued In 'Trust' Container Suit

A civil antitrust action has been instituted against the Owens-Illinois Glass Company, Toledo, Ohio, by the Department of Justice. The complaint which was filed in San Francisco last week charged the firm with creating a monopoly by preventing lessors of its vacuum packing machinery from using glass containers and closures manufactured by competitors.

The Owens-Illinois company, the complaint declares, manufactures more than 75 percent of the machinery used for vacuum packaging in glass containers, and 60 percent of glass containers and closures.

Minerals Exploitation Rules Amended

To permit the continued exploitation of minerals, other than oil and gas, discovered and developed on the public domain during the prosecution of World War II, the General Land Office has amended its general regulations applicable to mineral permits, leases, and licenses to authorize that any mineral deposit on public lands, the production from which has been used by any Federal agency in connection with the prosecution of World War II, may be leased to the agency controlling the facilities using such production, or to any purchaser or lessee of such facilities, by negotiation, or by requiring the agency, its purchaser or lessee to meet the highest competitive bid received under sealed bids for such lease.

Drying Oils Situation Viewed from Divers Angles

Continued from April 15 issue

Dehydrated castor oil has come to play a large part in the drying oils field. It is here to stay, said Dr. Alexander Schwarcman, of Spencer Kellogg & Sons, to the Southern Paint and Varnish Production Club, because it produces softer, more flexible films than are possible with other oils and especially because of its resistance to yellowing in the making of white enamels.

The industrial uses of castor oil are not new, said Francis Scofield, of the National Paint, Varnish and Lacquer Association, at the Farm Chemurgic Conference. They have always been diversified, no one use taking as much as 50 percent of the supply. The older uses comprise textile finishing (as Turkey red oil), leather finishing, lubrication, and soapmaking, use as a plasticizer is of more recent origin. This ran around 5,000,000 pounds a year. Dehydration of castor oil was commercially started about ten years ago. It took about 77,000,000 pounds of oil in 1943; this was cut to about 50,000,000 in 1945 because no more oil could be got.

Shortages of tung oil and perilla oil account for a substantial part of the increased use of dehydrated castor oil, Mr. Scofield said. How much this would be reduced under normal supplies of the other two oils could only be guessed at, but because of the special virtues of dehydrated castor oil in alkyd white coatings, about 50 percent of such products might be expected to be made with it. His "guess" was that there would be a 35 percent retention of intermediate uses in paints of lower grades and about 15 percent in formulations where perilla oil is clearly better. The total volume of dehydrated oil used will increase as the paint industry grows in the post-war era, although its proportionate use among drying oils will be smaller.

Castor oil is currently being produced in Jersey City, Bayonne, N. J., and Los Angeles, from beans imported at New York and Los Angeles from Brazil, Charles F. Kidd, of the Baker Castor Oil Company, told the Farm Chemurgic Conference. If beans could be got from domestic growers at a satisfactory price, crushers would take them. At the time, Mr. Kidd said, the price of castor beans was $118 per long ton c.i.f.; the freight from St. Louis to New York would be about $10 per ton. Development of domestic growing might justify relocation of the oil mills. A supply of from 75,000 tons to 80,000 tons a year is necessary to support a mill, Mr. Kidd said. A special type of mill is required.

Harvesting and threshing (hulling) castor beans offer a particular mechanical problem. A minimum of cracked beans is desirable from the oil crusher's point of view. Threshing is a hand operation in Brazil. Castor bean pomace (oilmeal) is used as a fertilizer material; it is toxic to animals. The demand is heavy at about $20 per ton, Mr. Kidd said.

Development of new and better strains of castor beans was reviewed at the Farm Chemurgic Conference by Dr. W. L. Burlison and Prof. Roland Weibel, of the University of Illinois. Interest in cross-breeding is still narrow. Four new strains are coming along in the search for bigger yield of oil. Mr. Kidd said bigger yields of beans were desirable. Professor Weibel told of the root, leaf, and stem diseases which attack the castor plant, also of its insect enemies, which are many but of minor trouble.

Development of mechanical handling seems to be the key to the adequate growing of castor beans in the United States. The future of castor oil looks to lie at least as much in its use as a chemical raw material (for sebacic acid, capryl alcohol, and the like) as in the field of drying oils; although its special virtues will keep it in the latter category for some time to come.

A new drying oil development looms in the completion of long-discussed plans to crush safflower seed in the Northwest. Operations are expected to be started this Fall, and contracts are being made for seed at a delivered price of 4¼ cents per pound for the superior strains with an oil content in excess of 30 percent.

OPD Price Index

The OIL, PAINT AND DRUG REPORTER'S relative record of prices for chemicals and related materials is currently as follows:—

Apr. 18, 1946	Apr. 11, 1946	Apr. 20, 1945
135.0	134.8	131.9

The base of the OPD Price Index is the average of prices in 1926 and 1936, those years representing extremes of price undulations in the interwar period.

Price views were again of wide area in the markets for chemicals, oils and drugs last week; also, they were again more on the upside. This preponderance was sufficient to effect a slight raising of the general average.

Advances in penicillin, menthol, and aluminum powder were noteworthy features of last week's price trends.

Magnesium Plant Sold To Gulf States Utilities

Sale of the Riverside power plant of the Mathieson Alkali Works at Lake Charles, La., was announced today by War Assets Administration. Gulf State Utilities Company purchased the land, building, and machinery for $2,408,126.55, which figure includes purchase of the Roach tract, which is owned by Reconstruction Finance Corporation and for which RFC is to be reimbursed by the buyer. Built by the Army Air Force at a cost of $3,208,489, the plant was a component part of a facility to produce magnesium. The new owner of the property will operate it as a public utility. The land site consists of 15 acres, 5.45 acres being located within the Roach tract.

Plans Entertainment

Percy C. Magnus, president of Magnus, Mabee & Reynard, essential oils and aromatic chemicals, New York, has been appointed chairman of the entertainment committee for the annual meeting of the National Wholesale Druggists' Association, to be held in the Traymore hotel, Atlantic City, N. J., September 23.

OPA Amendment Introduced in Senate

Senator Elmer (D., Okla.), introduced in the senate late last week an amendment to the price control extension bill which would eliminate OPA control over almost everything but rents.

Philippine Sugar Bill Passed by House

The House has passed compromise legislation permitting the Philippine Islands to ship 850,000 long tons of sugar a year into the United States tariff free for the next eight years.

Dyestuffs Manufacturers Fined in 'Trust' Suit

OPD Washington Bureau

Attorney - General Tom C. Clark has announced that the government's criminal prosecution of the leaders in the dyestuffs industry for violations of the Sherman antitrust act was successfully concluded April 18, when Federal District Judge Phillip Forman in Trenton, N. J., received pleas of nolo contendere (no contest) on behalf of fourteen defendants and imposed fines upon them, as follows:—

Allied Chemical & Dye Corporation, $15,000; E. I. du Pont de Nemours & Co., $15,000; American Cyanamid Company, $10,000; General Dyestuff Corporation, $15,000; Ciba Company, Inc., $5,000; Sandoz Chemical Works, Inc., $5,000; Geigy Company, $5,000; Guy W. Talbert, general manager of the National Aniline & Chemical division of Allied Chemical & Dye Corporation, $5,000; Lammot du Pont, chairman of the board of directors of E. I. du Pont de Nemours & Co., $5,000; F. M. Fargo, jr., vice-president and director of American Cyanamid Company, $5,000; Rudolph Lenz, vice-president of General Dyestuff Corporation, $5,000; Alfred Lichtenstein, president of Ciba Company, $2,000; Ernest Gossweiler, vice-president and treasurer of Sandoz Chemical Works, Inc., $2,000; William Zipse, vice-president of Geigy Company, Inc., $2,000.

General Aniline & Film Corporation, the only other corporate defendant, previously entered a nolo plea on March 21, 1946, and was fined $15,000. Total fines imposed in the case thus amounted to $111,000. Three individual defendants died while the case was pending; and the government dismissed the charges against ten other individuals.

The defendants were indicted by a Federal grand jury in New Jersey on May 14, 1942, on three counts, for conspiracy in restraint of trade, conspiracy to monopolize, and monopolization, affecting both interstate and foreign commerce in dyestuffs. The indictment charged that defendants and certain predecessors and affiliates entered into an unlawful combination with one another and with

—*Continued on page 41*

Table of Contents

Alcohol Extract as Cancer Cure..... 5
Anilin Consumption Data: 1944..... 48
Association Meeting Dates..... 7
Atomic Engery Essayed by Monsanto. 3
Barnett Leaves Stein. Hall..... 48
Benzene Allocation: Jan., '44-June, '45. 46
Bermuda Lifts Import Ban on U. S.. 5
Brewer Buys Capsulating Unit..... 54
Burchfield in Michigan Alkali Post.. 42
CCC Commodity Stocks..... 78
Cabot Plans Output Increase..... 70
Calco Moves N. Y. Dye Sales Office.. 48
Carbide Die & Mold Elects Frick.... 42
Carbon Black Output Method..... 3
Celotex Research Head Returns..... 48
Chemists Status to Be Defined..... 7
Citronella Oil Duty to Appeals Court. 7
Citronella Output, Quality..... 7
Commerce Budget Increase Asked.... 5
Continental Can Names Jennings..... 56
Continental Can Names Smith..... 48
Corning Glass Buys Plant..... 42
Corrosion Engineers to Meet..... 41
Cottonseed Crush: March..... 73
CPMA to Attend APMA Meeting.... 54
Cuban Alcohol Proposal Opposed.... 5
Export Control Extension..... 41
Fanning Resigns from Malmstrom.... 41
Fertilizer Crop Year Estimated..... 3
Floor Sweeping Compounds Exempted. 41
Fogarty Joins Truscon Labs..... 70
Foote Mineral Buys Lithium Plant.... 41
Formaldehyde Use: 1944..... 56
Freight Rates 25 Percent Rise Asked. 3
Fungi Mold Research Expanded..... 7
Gelatin, Glue Fert. World Supply.... 5
German Drug Data Study Planned... 7
German Saccharin Synthesis Told.... 7
Glandular Materials Shortage Acute.. 3
Glass Reflection Control Perfected.... 41
Hall Laboratories Transfers Sarcone.. 58
Harvey Food Group President..... 7
Hercules Advances Skelly..... 43
Hog Cholera Hearing April 29..... 56
Jap Rubber, Antimony Exports Or'ed. 3
Johns-Manville Plans Expansion..... 5
Lakeside Labs. Names Dyer..... 56
Lawson and Ferro Drier Merged..... 70
Lewis Chemical Co. Formed..... 58
Lucas & Co. Welcomes Harter..... 70
Metal Can Shipments Up..... 56
Metallic Products Elects..... 41
Minerals Exploitation Rules Amended. 3
Moffitt Names Sales Manager..... 42
Monsanto Advances Marsh, Stehlby... 7
N-E Wood Utilization Group to Meet. 43
Norwich Pharmacal Elects Two V.P's. 56
NPVLA Asks Earnings Data..... 72
NY Mineral Deposits Survey Set..... 5
NY Textile Chemists to Elect..... 48
NY Product. Club Outing June 8..... 70
NWDA Urges Sales Streamlining..... 7
Oil Chemists to Meet May 15..... 7
OPA Bill Passed..... 5
Owens-Illinois Sued..... 3
Paine Names Research Head..... 78
Paint Sales: February..... 70
Paramet Chi. Sales Office Open..... —
Patents Interchange Agreement..... 56
Perry Bros Formed..... 64
Philippine Trade Bill Passes Senate.. 3
Phosphate Rock Shipped to Germany. 3
Pitts. Plate Glass Ups Nutter..... 42
Proprietary Ass'n to Meet May 13.... 54
Quinquennial Census Bill Voted..... 5
Rauth Joins Rare Chemical..... 56
Remus Opens Chicago Office..... 64
Reynolds Advances Dunn..... 74
RFC Extension Bill Introduced..... 5
Rheem Opens London Office..... 48
So-Alkali Plans Caustic Output..... 3
Southern Phosp. Moves Sales Office.. 43
Sugar Research Crew Elects Green... 7
Surplus Commodities Offered..... 56
Swiss Firm Official Here May 1..... 56
Tech. Service Dept. Asked..... 5
Tung Oil Firm Changes Name..... 70
Vaughn Research Award to Soutemyer. 43
Wyeth Names Roberts..... 56
Young Reelected President..... 3

General Features

Bids Wanted..... 4
Corporation Earnings..... 79
Current Market Quotations..... 9
Editorials..... 36
Imports..... 4
Imports Detained..... 61
Obituaries..... 43
OPD Price Index..... 4
Professional Services..... 62
Trade Briefs..... 48, 52, 58
Washington Talks It Over..... 5

Market Reports

Agricultural Chemicals..... 45
Botanical Drugs, Spices Gums..... 61
Coaltar Chemicals..... 46
Drugs and Fine Chemicals..... 51
Essential Oils, Other Aromatics..... 63
Fertilizer Materials (see Agric. Chem.)
Heavy Chemicals..... 39
Oils, Fats and Waxes..... 73
Petroleum Derivatives..... 65
Protective Coatings Materials..... 67
Textile and Leather Chemicals..... 49

Oil, Paint and Drug Reporter, Vol. 149, No. 16, April 22, 1946. Published every Monday by Schnell Publishing Company, Inc., 59 John St., New York 7, N. Y., U. S. A. Subscription price:—United States and possessions, Cuba, Mexico, Central America, and South America, $5 a year; Canada and Newfoundland, $7; other countries, $10. Entered as second-class matter, January 15, 1884, at the New York Post Office, under the act of March 3, 1879.

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ARGOLS—754 bgs, Charles Pfizer & Co
ARNICA FLOWERS—16 bgs, Irving Trust Co; 45 bls, R J Prentiss & Co
ASBESTOS, AMOSITE—1,000 bgs, Plant Rubber & Asbestos Works; 600 bgs, Refractory & Insulation Co
ASPHALT PETROLEUM—49,842 bbls, Shell Oil Co, Inc
BARBASCO ROOT—797 bls, Reconstruction Finance Corp; 955 bls, United States Commercial Co
BALATA—939 blocks, Anglo-American Hide Co; 325 blocks, Herman Weber & Co; 485 blocks, Hecht, Levis & Karn; 50 cs, L Littlejohn & Co
BAUXITE—1,840 tons, Aluminum Import Corp; 1 cs, Norton Co
BEEF LIVERS—161 trcs, Armour & Co
BERGAMOT OIL—80 cs, Dodge & Olcott Co
BEES WAX—104 bgs, D Steengrafe & Co; 116 bgs, Will & Baumer Candle Co; 106 bgs, Simmonds & Grey; 273 bgs, Innis, Speiden & Co; 147 bgs, Paul & Stein Bros; 80 bgs, Wax & Rosin Products
BONE GLUE—280 bgs, Manfred Fanto Co; 3,156 bgs, Transatlantic Animal By-Product Corp; 400 bgs, Nicholson & Co
CAFFEINE, ANHYDROUS—195 bbls, Lo Curto & Funk
CALENDULA FLOWERS—66 cs
CANARY SEED—313 bgs, A G Dunn
CARAWAY OIL—3 dms, J Brown Agencies
CARNAUBA WAX—100 bgs, Wessel, Duval & Co; 110 bgs, American Cyanamid & Chemical Corp; 22 bgs, Credo Commodities Co
CARAWAY SEED—200 bgs, Catz American Co
CASEIN—4,072 bgs, National City Bank
CASTOR BEANS—400 bgs, Tunley & Co; 19,529 bgs, Baker Castor Oil Co; 7,119 bgs, Spencer Kellogg & Sons
CATTLE BILE CONC—3 bbls, Frederick Stearns & Co
CAUSTIC SODA—80 dms, Bergstrom Trading Co, Inc
CHALK, PRECIPITATED—300 bgs, H J Baker & Bro
CHILLIES—623 bgs, Standard Bank of South Africa; 609 bgs, W & A Leaman
CHROME ORE—7,500 tons, E J Lavino & Co; 68 tons, Philipp Bros
CINCHONA PRODUCT—35 cs, Guaranty Trust Co
CINNAMON BARK—10 bgs
CITRIODORA OIL—3 dms, Roberts & Co
COCOA RESIDUE—1,600 bgs, Monsanto Chemical Co
COD OIL—52 cks, F W Damon
CODLIVER OIL—110 dms, American Friends Service Committee
COLCHICUM SEED—1 bg, Irving Trust Co
CORIANDER SEED—840 bgs, Mercantile Metal & Ore Corp; 500 bgs, Kachurin Drug Co; 236 bgs
CORNSILK—247 bls, Irving Trust Co; 54 bls, S B Penick & Co; I A Levy & Co
CORUNDUM—2,524 bgs, Watson, Geach & Co
COTTON LINTERS—1,255 bls, Simmonds Co; 497 bls, Commercial Factors Corp; 393 bls, Shifman Bros
MOTES—991 bls, Kanders-Steuber Co

—*Continued on page 44*

Cuban Alcohol Imports Proposal Opposed

OPD Washington Bureau

Members of the Industrial Alcohol Producers Industry Advisory Committee have expressed their opposition to a proposal to import 40,000,000 gallons of industrial alcohol from Cuba within the next two years, the Civilian Production Administration has announced.

At a meeting here industry leaders contended that Cuban molasses, their basic raw material, should be converted into industrial alcohol in the United States, not in Cuba. They said that operations in this country were less expensive, more efficient, and permitted the utilization of byproducts—such as dry ice and livestock and poultry feeds—which Cuban plants were not equipped to produce.

Committee members, all representatives of United States industrial alcohol manufacturers, included in their objections to the proposed Cuban import the following points:—

1. The same amount of molasses required to produce 40,000,000 gallons of industrial alcohol in Cuba would yield 53,000,000 gallons if processed by United States plants.
2. To produce the difference of 13,000,000 gallons, United States plants would have to use 5,000,000 bushels of grain, which is desperately needed to feed the starving.
3. Because Cuban distilleries are not equipped to reclaim byproducts, production of 40,000,000 gallons of industrial alcohol in Cuba would mean a loss of 206,400 tons of feed and 108,000 tons of dry ice. Both of these byproducts are urgently needed.

The industry representatives discussed methods of distributing raw materials and obtaining maximum recovery of by-products in view of a world shortage of molasses. They agreed to submit recommendations in writing to CPA. Lawrence Brown, director of CPA's Chemicals Division, presided.

Alcohol Extract Used As Cancer Cure in Rats

Development of an alcoholic extract which destroys tumors and cancers and sets up immunity against the growths in inbred albino rats, was reported last week in Philadelphia.

Dr. Paul M. Aptekman, chemist at the Wistar Institute of Anatomy and Biology, produced the extract. It has been tested successfully on rats and is not ready for use on humans, he said.

RFC Extension Bill Introduced

A resolution to extend the life of the Reconstruction Finance Corporation until June 30, 1952, has been introduced in the house by Representative Brent Spence of Kentucky. The measure (H. J. Res. 341) was referred to the banking and currency committee of which Mr. Spence is chairman.

Under existing law the RFC, which was established at the bottom of the depression back in 1932, would cease to exist on January 22, 1947, unless congress acts to extend its life in the meantime. The resolution presented by Mr. Spence extends all of the agency's lending and other functions until June 30, 1952, with exception of the provisions of section 5(d) of the act. These provisions of the law, under which the U. S. Commercial Company and the War Damage Corporation were created, would be allowed to expire June 30, 1949.

Quinquennial Census Bill Voted in House

The house committee on census voted its approval this week of the Allen bill (H.R. 5857) to combine the biennial census of manufactures and the decennial census of business, distribution, and mining into a quinquennial census, the first of which would be undertaken for 1947.

The bill also strengthens the existing authority of the Census Bureau to make monthly, quarterly, and annual surveys of a special nature by making the penalty provisions of existing law applicable to such special censuses as are necessary to keep current the data collected in the regular censuses.

Provision is contained in the bill authorizing the bureau to collect data which heretofore has not been collected, but interested or affected business organizations must be publicly notified to insure consideration of their views in advance of the initiation of a new survey. A public announcement that a new survey is under consideration must be made at least 30 days in advance of its being instituted.

Johns-Manville Plans $50,000,000 Expansion

The Johns-Manville Corp., asbestos products manufacturer, New York, plans an expansion program which will cost $50,000,000. The expansion will start this year and continue until 1950.

OPA Extension Voted by House With 10 Limiting Amendments

OPD Washington Bureau

The house ended three full days of tumultuous debate over the administration's pricing policies April 18 with passage of an OPA extension bill (H.R. 6042) knocking the props from under the government's hold-the-line program and extending to producers and distributors a virtual guarantee of a reasonable profit on all sales.

Briefly, this is what the house has provided in the way of continued price control:—

1. An extension of the life of the Emergency Price Control Act and the Stabilization Act for nine months until March 31, 1947. It now expires June 30, next.
2. Provided that whenever the production of any commodity reaches the levels of 1941, price ceilings shall be suspended automatically. This is a repeal of the officially stated policy of OPA of suspending ceilings when supply reaches demand.
3. Provided that in fixing ceilings on products or services, they must be set at a level high enough to cover all cost outlays, plus a "reasonable profit" on every item under control. This repeals the overall company profit theory which has been followed by OPA since the beginning.
4. Continues subsidies only until next December 31 and provides that present subsidy payments be reduced in 25 percent doses every 45 days beginning next July 1. Subsidies on meats are to be removed July 1.
5. Provides that wholesalers and retailers no longer shall be required to absorb higher production costs on reconversion items.

With rumors prevalent that some of the top officials concerned with the government's anti-inflation programs may resign in protest over the house's treatment of price control, the bill now moves over to the senate where there is much reason to believe that further emasculation of the law may be provided.

Senate sentiment against the OPA is said to be even stronger than that in the house. This is particularly true in the case of agricultural products. It would not be surprising to observers if the senate provided for the demise of OPA by June 30.

Technical Office Asked In Commerce Dep't

OPD Washington Bureau

Representative J. Perce Priest, of Tennessee, has introduced a bill (H.R. 6118) in the house to provide for establishment of an Office of Technical Services in the Department of Commerce. The bill has been referred to the interstate and foreign commerce committee.

The purpose of the Office would be to stimulate and encourage technological research and development activities and their application to business, industry, and commerce by:—

(1) Promoting the introduction of inventions and scientific techniques, into manufacturing, communication, public utilities, and other phases of productive activity.

(2) Strengthening free enterprise by making available to business, particularly small and medium-sized business, scientific and technical inventions, products and processes.

(3) Establishing a central technical office to assure maximum use of new inventions, products, and processes.

(4) Aiding, encouraging, and protecting the research and enterprise of inventors, scientists, technicians, scientific and educational institutions, and research laboratories engaged in inventive effort and technical development, and making their resultant discoveries and data more readily available, without discrimination, to all sections of business, industry, agriculture and the public in order to promote full employment and higher standards of living.

(5) Building up an expanding fund of applied scientific knowledge and technological data which would be available in event of national emergency.

(6) Compiling and maintaining in cooperation with other public and private agencies, comprehensive inventories of the findings and other pertinent data resulting from engineering and technical advances in this country and abroad which have potentialities for industrial and commercial application, and making such engineering and technical information widely available to the public.

Gelatin, Glue, Fertilizers World Supply Discussed

OPD Washington Bureau

Preliminary steps to increase the world's supply of gelatin, glue and fertilizers were taken at a joint conference early this week in London attended by representatives of the United Kingdom, Belgium, France and the United States, Wells Martin of the Civilian Production Administration's Chemical Division has announced.

Mr. Martin said there was a joint concurrence of the four participating countries in a recommendation to increase the price on Indian cattle bones. Other recommendations included plans to trade high grade fertilizer to India in exchange for cattle bones and also to appeal to the Indian government for a higher priority for shipment of these materials on Indian railroads and other forms of transportation. Government representatives of the four countries will meet again in London on April 30 to report on the Indian cattle bone supply position.

N.Y. Mineral Deposits Survey to Be Asked

Senator James M. Mead, of New York will ask Congress to appropriate $250,000 for an extensive survey of the mineral deposits in his state.

Of approximately 12,000 square miles of fertile iron-ore territory in the Adirondack region, nearly 50 percent remains untouched and unexplored, primarily because New York received less than $80,000 of the latest $2,000,000 appropriated by Congress for exploration of the nation's iron-ore reserves, Sen. Mead said.

Estimates of the iron-ore in the Adirondack region are placed at 800,000,000 tons, he added.

Commerce Dept. Budget Increase Asked

OPD Washington Bureau

Appropriations totaling $143,024,000 for the Department of Commerce for the fiscal year 1947 were reported to the house April 9 by the committee on appropriations. This is a reduction under budget estimates of $30,753,000, but an increase of $39,635,000 over the current year's funds.

Included in the appropriations were $5,837,000 for the Bureau of Standards, an increase of $2,249,000 over this year's appropriation; and $28,150,000 for the Bureau of Census, an increase of $19,457,000. The budget bureau had recommended $6,664,000 for the standards bureau and $33,500,000 for the census bureau.

Of the $19,457,000 increase in Census Bureau funds, $15,000,000 is for two new censuses, namely, census of business, $10,000,000 and census of manufactures, $5,000,000. Nearly the entire balance of the increase is for the item, "compiling census reports, etc., which, however, provides for a sample census of population, a monthly report on the labor force, quarterly expansion of the monthly report on the labor force, consumers' income study, and other statistical gatherings and compilations.

In its report to the house the committee said that it was not fully satisfied with the operations and administration of the Census Bureau. It is not sure that it receives all of the facts during appropriation hearings, it said. The statement was made in connection with a recently concluded investigation in connection with the gathering and compiling of foreign trade statistics. The committee recommended that henceforth this work be performed in New York.

Bermuda Lifts Import Ban on U.S. Products

The Government of Bermuda has announced the lifting of practically all restrictions on imports from the United States and Canada, according to the Office of International Trade of the Department of Commerce. The total dollar quota for imports subject to quota restrictions had been set at $1,684,000 for 1946. It is expected that dollar imports into Bermuda for this year will be considerably above this figure.

Washington Talks It Over

The OPD Observer

What is going on inside of Russia in the way of industrial activity? What are the capabilities of her industries to satisfy her demands? What are the prospects of Russia's entering the export market in various lines of goods and commodities that are important to our own trade and domestic economy? These are questions that are becoming more and more important in the minds of government officials today but are something for which no one either inside or outside of the government has the answers. And the few reports that do reach this country usually come by such roundabout means that little if any reliance can be placed upon them.

It is known, of course, that Russia is embarking on another five-year program of industrial development. Marshal Stalin disclosed this to his people in a radio broadcast two months ago. Mention also has been made of huge amounts of money to be spent on research in chemicals and medicines, but all that the government here knows of these plans is what it has gleaned from the censored Russian newspapers and broadcasts from Moscow. An example of how little we know of Russia's internal affairs came to light just recently in the case of petroleum. Officials now admit that they did not know until Stalin's broadcast two months ago how much petroleum Russia was able to produce back in 1940.

American industry is urging the State department to try to do something about the situation, and at least one proposal is understood to be receiving favorable consideration. It is that the American embassy in Moscow be enlarged considerably and that specialists in various lines of industry be assigned to the embassy staff. For example, American industry would like to have observers assigned to Moscow who know something about petroleum, chemicals, heavy goods, medicinals, and other lines.

Drug Census Dropped

Drug manufacturers and distributors are in for something of a surprise. After long months of work in co-operation with the Census bureau in devising a plan and forms for a comprehensive survey of the industry for 1945, the decision has been made by the bureau to drop the project.

Various reasons are given for the regretable action: the project was too late in getting started for the size of the job (officials are taking the blame for this as they have no complaint against those in the industry who were co-operating in the project because they kept right up with the time schedule); time-consuming red tape encountered in getting approval of the Budget bureau; and lack of experienced personnel to get the project started.

About the only satisfaction that the industry will get from all the work it has done on the project is that the report form it had drawn up has been approved and will not be abandoned. It will be used in the general census of manufactures for 1946, which census also will cover all the other general types of information, such as employment, payrolls, materials con-

—*Continued on page 36*

Perfumes and cosmetics
of inimitable quality must be compounded
with an alcohol of inimitable quality
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CSC Alcohols are available for every cosmetic, pharmaceutical, and industrial requirement:

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German Saccharin Synthesis Described

Details of successful German research in the synthesis of saccharin without using toluene or potassium permanganate are now available in a translated report (PB 901), which can be obtained from the Office of the Publication Board, Department of Commerce, Washington 25, D. C. The fee is $2 for a photostat copy, 50 cents for a microfilm.

Anthranilic acid was used as the starting material in one series of experiments. Although the principal course of the synthesis has been described in patents (DRP 130119 and DRP 122567) of Ciba, Basle, Switzerland, researchers at I. G. Farbenindustrie made alterations which increased the yield and made the process more suitable for technical production. It was found that a much higher yield of orthocarboxymethylbenzenesulphinic acid was obtained when diazotation was carried out in aqueous sulphuric acid solution with the SO_2 added in liquid form to the cooled diazotate, and when pure copper powder was used for the starting of the reaction instead of a copper salt.

After filtering off the copper sludge from the slightly alkaline solution, the sulphuric acid could be obtained in easily filterable form by acidification with a mineral acid. It was found that by introducing gaseous chlorine into the slightly alkaline solution the sulphinic acid could be converted into the soluble sulphochloride. The sulphochloride was precipitated quantitatively and filtered off. When the orthocarboxymethylbenzene sulphochloride was added to ammonia it was converted into saccharin. The saccharin was isolated by acidifying the solution with hydrochloric acid. The yield by this method was about 90 percent, based on the sulphochloride.

Further simplification of saccharin synthesis was achieved by eliminating isolation of the methyl ester formed by esterification of anthranilic acid with methanol in the presence of sulphuric acid. The only intermediate which had to be isolated was orthocarboxymethylbenezene sulphochloride.

Food Group President

Dr. Ellery H. Harvey, of the Sun Chemical Corporation, New York, has been elected president of the Institute of Food Technologists. He succeeds F. W. Tanner, of the University of Illinois.

German Drug Data Investigations Planned

OPD Washington Bureau

Teams of American investigators will be organized by the Department of Commerce to comb the German pharmaceutical industry for information useful to American companies. The investigators, chosen by cooperating pharmaceutical firms, will be paid by their own companies but will be appointed as Federal employees during the mission.

The American probers will collect, sort and evaluate scores of documents on new products and production methods filed in German offices and laboratories, and will obtain other information by interviews with German technicians, the department announced. The investigators will be sworn to report all findings to the department's office of the publication board, which will make the reports publicly available.

Fungi Mold Research In N.Y. Expanded

The New York Botanical Garden has received two anonymous gifts totaling $450,000. The larger gift, $250,000 will be used to finance an expanded program of research at the garden into the use of plants in medicine.

Dr. William J. Robbins, director of the garden, will administer the research fund for studies with fungi molds and related subjects. Dr. Robbin has already started getting mold from all over the world. The second gift, $200,000, has been given contingent upon an equal amount being raised from other private sources.

Monsanto Advances Marsh and Stehlby

Paul G. Marsh has been appointed assistant production manager of the organic chemicals division of the Monsanto Chemical Company, St. Louis, and has been succeeded as manager

Paul G. Marsh

of the company's John F. Queeny plant by A. J. Pastene.

E. T. Stehlby, formerly manufacturing superintendent, was promoted to the newly-created post of assistant plant manager at the Queeny plant. Roy G. Hemminghaus, Walter Meyer and J. W. McCrackin were named manufacturing superintendents at the plant.

Chemists Professional Status to Be Defined

The American Institute of Chemists will hold its twenty-third annual meeting at the Biltmore hotel, New York, May 17. The afternoon session will be featured by a symposium on the "Professional Status of the Chemist."

Robert Price Russell, president of the Standard Oil Development Company, will receive the gold medal of the institute at the evening session.

NWDA Urges Sales Technique Streamlining

Plans to modernize plants, improve operating and selling techniques, and generally assist retail druggists in combating prices rises to consumers, in order to achieve a full share of competitive sales resulting from vastly enlarged production facilities, were discussed by more than 635 members of the National Wholesale Druggists' Association attending the organization's largest mid-year meeting at the Palmer house, Chicago, last week.

The theme of the meeting was "Plans for Tomorrow." A forum to study this subject, based on a recent "Drug Topics" survey, was presided over by P. C. Magnus, president of Magnus, Mabee & Reynard, Inc., New York. W. T. Allen, of the Topics Publishing Company, and chairman of the association's business program meeting, was introductory speaker at the forum.

Al B. Benson, vice-president of McKesson & Robbins, Inc., New York, and president of the association set the keynote of the Spring meeting by emphasizing the importance of salesmanship and distribution.

Foreseeing possible increases of 40 to 60 percent in the wholesale drug business in the United States, Mr. Benson said that the question was whether wholesale druggists could effectively bridge the gap between factory and consumer, and asserted that "stepping up selling to a new high pitch is our most important task."

During the war salesmanship reached an all-time low, Mr. Benson said, and the two best selling tools, courtesy and smiles, were "thrown out the window." Because of this,

—Continued on page 54

Oil Chemists to Meet In New Orleans May 15

The thirty-seventh annual meeting of the American Oil Chemists' Society will be held in New Orleans May 15-17. A symposium on "Fats and Proteins in Human and Animal Nutrition," with H. S. Mitchell, chief chemist of Swift & Co., Chicago, as chairman, will be the principal feature of the meeting.

Subjects to be covered, and speakers at the symposium, are as follows:—

"The Role of Fat in Human Nutrition," H. J. Deuel, jr., professor of biochemistry, University of Southern California.

"Recent Advances in the Chemistry and Nutrition of the Fat Soluble Vitamins," Norris D. Embree, Distillation Products Inc., Rochester, N. Y.

"Quartermaster Corps Committee on Food Research," Captain George Gelman, executive secretary of the committee on food research, Army Service Forces, Chicago Quartermaster depot.

"The Role of Proteins in Animal Nutrition," H. C. Schaefer, manager of the nutrition research laboratories of the Ralston Purina Company, St. Louis.

Sugar Research Group Elects Greene President

The Sugar Research Foundation has elected to the presidency Ernest W. Greene, vice-president of the Hawaiian Sugar Planters' Association, who has been vice-president and a director of the research group since its formation.

Citronella Oil: Output and Quality

Dr. J. F. Van Oss, Amsterdam, The Netherlands

Citronella oil culture in Java, Ceylon, Malacca, and Siam is mostly in the hands of the inland population, the grass (*Cymbopogon nardus*), cut in small pieces, being distilled with steam in rather simple apparatus. Production depends on the interest of the people in other occupations, and on shipping conditions.

Before the war, production and export of Java citronella oil was increasing. In 1930 Java produced and exported 800 tons; in 1937, 1,400 tons; and in 1939, 2,500 tons. The principal buyer was the United States, importing in 1937 about 30 percent of the Java production.

Often speculation influenced the prices very much: the oil was quoted as follows:—

	—Florins per kilogram—		
	May, 1932	June, 1936	March, 1938
Ceylon oil.....	1.25	0.80	1.38
Java oil.....	2.15	0.88	1.46

After the beginning of the war the prices were very low, because of shortness of freight. In 1940, the price in Batavia was only 0.80 florin per kilogram for oil of standard contract, delivering December - January. Of course the price in Europe and the United States soared.

Till now no reliable data are known about the citronella position of Java. Probably some quantities are stored, but the inland population had no incentive during the Japanese occupation for cultivating the grass and distilling the oil, because no other market was to be found than in Japan, while the shortness of ships prevented the export of an unnecessary product.

Also the future of citronella is very uncertain. The shortness of food will force the whole inland population to cultivate the necessary food products. Even for 1946 a shortness is predicted, so that some years will pass, before important quantities of this luxury article will be offered. Even if larger quantities of this oil will be produced, the price will probably become low after the depleted stores have been replaced.

It is expected that citronella oil will suffer heavy competition from the essential oil distilled in Australia and the Seychelles from the leaves of *Eucalyptus citriodora*. These leaves are easily distilled and produce an essential oil containing from 80 percent to 90 percent of citronellal. Moreover the harvest per acre is double that of citronella-grass. Perhaps citronella will later be used principally for true geraniol, because the other geraniol producers, as palmaraosa oil and geranium oil, are very expensive.

The principal constituents of citro-

—Continued on page 64

Citronella Oil Duty Taken to Appeals Court

OPD Washington Bureau

The government has asked the United States Court of Customs and Patent Appeals to reverse the decision and judgment of the United States Customs Court in the Procter & Gamble Company case in which it was held that citronella oil, even though it has been diluted or adulterated by the addition of a petroleum distillate, is still entitled to entry free of duty under paragraph 1731 of the tariff act of 1930. Appeal from the decision of the lower court was filed with the appellate court April 10.

The citation of errors claimed by the government includes the failure of the lower court to hold that the oil in question was a mixture or combination containing essential or distilled oils and thus dutiable under paragraph 60 of the act; the holding that the oil was generally accepted by the trade as citronella oil inspite of its adulteration with kerosene; and the refusing of the government's contention that the common meaning of the terms, "citronella oil," includes only the pure unadulterated oil.

Association Meeting Dates

American Association of Cereal Chemists, General Brook hotel, Niagara Falls, N. Y., May 13-16.

American Drug Manufacturers Association, Cavalier hotel, Virginia Beach, Va., May 6-9.

Agricultural Insecticide and Fungicide Association, semi-annual business meeting, Westchester-Biltmore Country Club, Rye, N. Y., April 25-26.

American Institute of Chemists, Biltmore hotel, New York, May 17-18.

American Oil Chemists Society, Roosevelt hotel, New Orleans, May 15-17.

American Pharmaceutical Manufacturers' Association, Chateau Lake Louise, Alberta, Canada, June 10-13.

American Society of Refrigerating Engineers' Spring Meeting, St. Paul, Minn., June 2-5.

American Spice Trade Association, Astor hotel, New York, May 6-8.

American Trade Association Executives, Ritz-Carlton hotel, Atlantic City, N. J., April 29.

American Tung Oil Association, San Carlos hotel, Pensacola, Fla., April 26-27.

Chamber of Commerce of the United States, Convention hall, Atlantic City, N. J., April 30-May 2.

Chemical Market Research Association, Statler hotel, Detroit, April 25.

Flavoring Extract Manufacturers' Association, Drake hotel, Chicago, June 2-4.

Metal Powder Association, Waldorf-Astoria hotel, New York, June 13.

National Association of Corrosion Engineers, President hotel, Kansas City, Mo., May 7-9.

National Association of Purchasing Agents, Chicago, May 27-29.

National Association of Retail Druggists, Sherman hotel, Chicago, May 14-16.

National Fertilizer Association, French Lick, Ind., June 10-12.

Plastic Exposition, Grand Central Palace, New York, April 22-27.

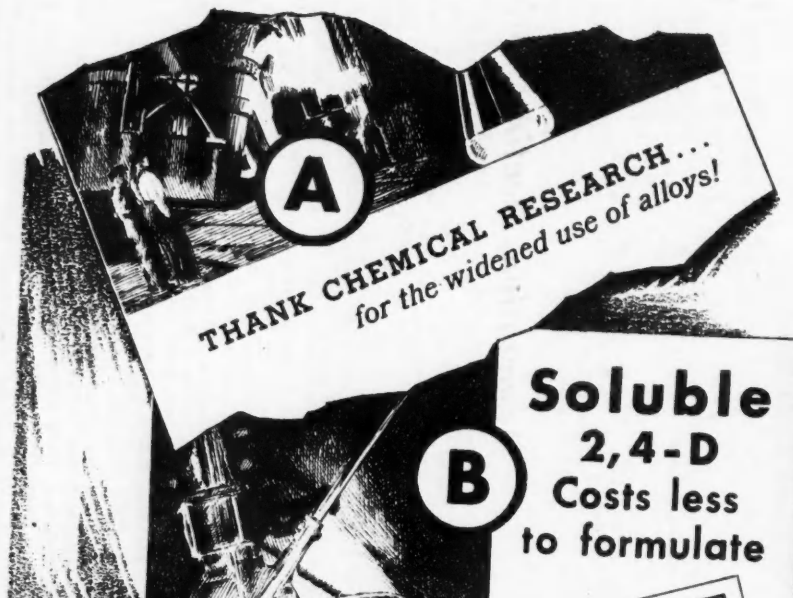
Proprietary Association of America, Biltmore hotel, New York, May 13-15.

Society of the Plastics Industry, Commodore hotel, New York, April 23-24.

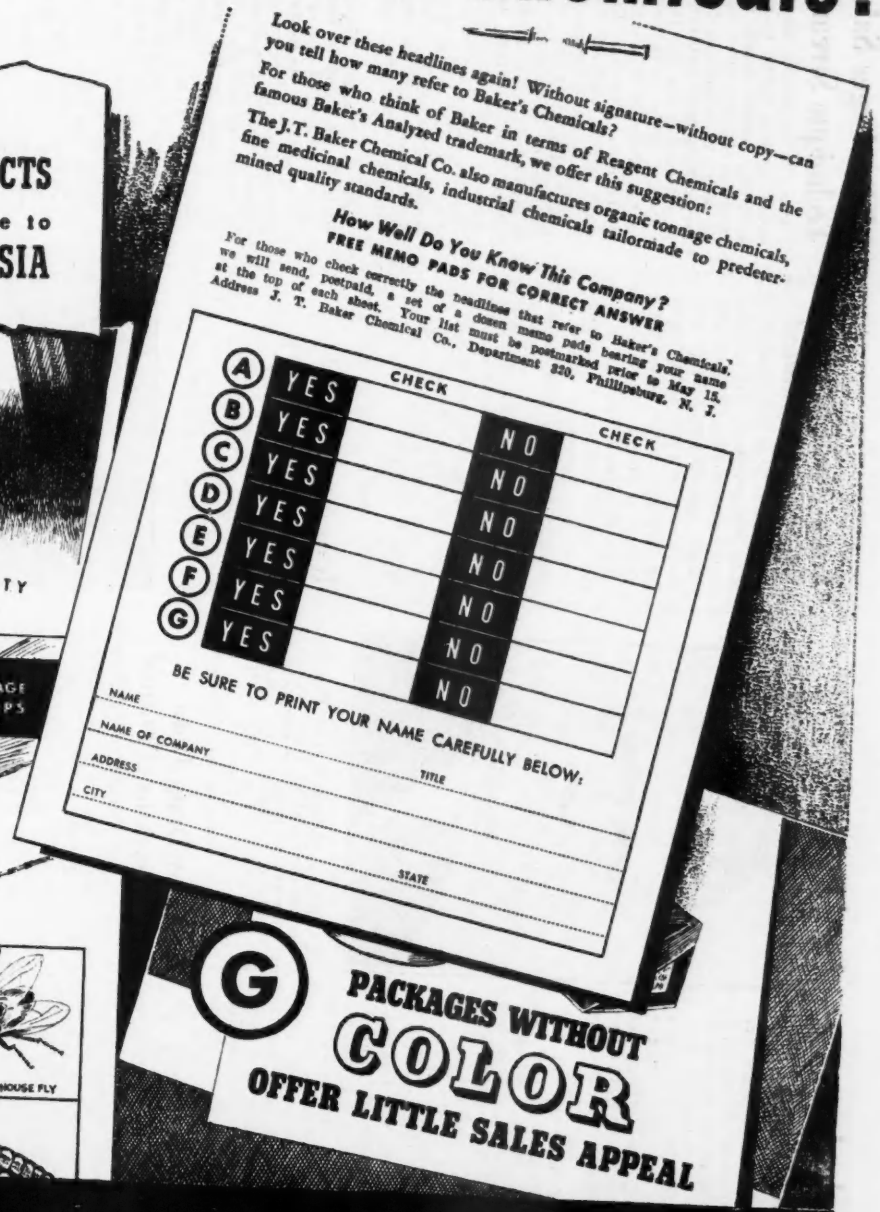
Synthetic Organic Chemical Manufacturers Association, Seaview Country Club, Seaview, N. J., June 13-14.

Toilet Goods Association, Waldorf-Astoria hotel, New York, May 15-17.

How many of these headlines refer to Baker's Chemicals?



Three important factors* in the making of products for intravenous injection
• A fine chemical of measured purity
• Your technical skill in manufacturing
• Rigid laboratory control in your plant
C


Look over these headlines again! Without signature—without copy—can you tell how many refer to Baker's Chemicals?
For those who think of Baker in terms of Reagent Chemicals and the famous Baker's Analyzed trademark, we offer this suggestion:
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CHECK
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B YES NO
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D YES NO
E YES NO
F YES NO
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Current Market Quotations Chemicals and Related Materials

April 18, 1946

Unless otherwise indicated, quotations are first-hands on large lots, f.o.b. New York. Price changes and trends are noted in the market reports, with other informative comment. The locations of these reports are given in the table of contents on page 4.

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A

Acacia (see Gum, Arabic).

Acetaldehyde, 99%, dms., 55 gals., works..lb. .11 - —
5 and 10 gals., works....lb. .14 - —

Acetaldol (see Aldol).

Acetamide, CP, fib. dms., 5,000 lbs. a year, works..lb. .36 - —
smaller lots, works.....lb. .38 - .70
tech., fib. dms., 5,000 lbs. a year, works..lb. .28 - —
smaller lots, works.....lb. .30 - .50

Acetanilide, tech., cryst., bbls.lb. .29 - .31
powd., bbls.....lb. .27 - .29
USP, cryst., bbls.....lb. .36 - .37
kgs.....lb. .37 - .39
powd., bbls.....lb. .34 - .35
kgs.....lb. .35 - .37

Acetic anhydride, dms., c.l., frt. alld..lb. .11½- —
l.c.l., frt. alld.....lb. .13 - —

Acetoacetanilide, bbls., dms...lb. .49 - .67

Acetone, CP,[1] dms., c.l., dlvd.lb. .07 - —
l.c.l., dlvd.....lb. .07½- —
tanks, dlvd.....lb. .06 - —
Methyl (see M).

Acetonitrile, dms., c.l., works..lb. .35 - —
l.c.l., works.....lb. .40 - —
5-gal. lots, works.....lb. .45 - —
less than 5-gal. lots, works..lb. .50 - —

Acetophenetidin, USP, bbls., kgs., 1,000-lb. lots..lb. 1.00 - —
dms.....lb. 1.08 - 1.10

Acetophenone, cns., dms.....lb. 1.50 - 1.75

Acetyl chloride, cbys., works..lb. .60 - —

Acid, abietic, dms., c.l., wks..lb. .07½- —

Acetic,[1] com'l or redist., 28%, bbls..100 lbs. 3.35 - 3.63
50%, bbls.....100 lbs. 5.58 - 6.33
70%, bbls.....100 lbs. 6.68 - 6.92
80%, bbls.....100 lbs. 7.47 - 7.72
99.5%, bbls.....100 lbs. 9.15 - 9.40
glacial, nat., c.p., dms., works, 100 lbs.12.50 -13.25
99.5%, bls.....100 lbs. 9.15 - 9.40
tanks.....100 lbs. 6.98 - 7.25
synth., tech., bbls., works, 100 lbs. 9.15 - 9.40
dms., works.....100 lbs. 9.25 - 9.75
tanks, works.....100 lbs. 6.98 - 7.25
USP, dms., works..100 lbs.10.50 -11.00
pure, 30%, bbls.....100 lbs. 4.41 - 4.69
30%, bbls.....100 lbs. 4.86 - 5.11
60%, bbls.....100 lbs. 7.60 - 7.85
80%, bbls.....100 lbs. 9.25 - 9.51
USP, 36%, cbys.....lb. .08 - .10

Acetic acid price ranges above are for c.l. and l.c.l. quantities. Carboys and cases are 50c. per 100 lbs. higher.

Acetic anhydride (see Acetic anhydride).

Acetylsalicylic,[1] special, USP, bbls., makers, primary distrib., point of shipm't, 100-lb. lots..lb. .45 - —
smaller lots.....lb. .46 - .50
standard USF, fine cryst., gran. (20-40 mesh), powd. (80 mesh), bbls., same basis. lb. .40 - .54

Freight equal'd, shipment identical quantity over standard routes, from N. Y. City, Phila., Midland, Mich., Chicago and St. Louis.

Adipic, fib. dms., works.....lb. .26½- —

Aminoacetic, USP (see Glycine).

Anthranilic, resub., bbls.....lb. 1.20 - 1.25
tech., bbls.....lb. .95 - —

Arsenous, tech. (see Arsenic, white).
USP, powd., dms., kgs.....lb. .20 - .22

Ascorbic,[1] USP, dms., 500-kilo lots..kilo.24.50 - —
25-50 kilo lots.....kilo.25.00 - —
10-kilo lots.....kilo.25.25 - —
5-kilo lots.....kilo.25.70 - —
bots., kilo lots.....kilo.26.41 - —
500 grams.....kilo.27.47 - —

Battery, cbys., c.l., E. works.. 100 lbs. 1.60 - —
l.c.l., E. works.....100 lbs. 1.95 - 2.05

Benzoic, tech., bbls., 4,000 lbs. or more..lb. .43 - —
1,000 to 3,900 lbs.....lb. .44 - —
900 lbs. or less.....lb. .47 - —
USP, bbls., 4,000 lbs. up..lb. .54 - —
1,000 to 3,900 lbs.....lb. .55 - —
900 lbs. or less.....lb. .58 - .59
dms., 4,000 lbs. up.....lb. .55 - .58
1,000 to 3,000 lbs.....lb. .56 - .57
900 lbs. or less.....lb. .58 - .59

Betaoxynaphthoic, bbls., works. lb. .95 - —

Boric, tech., 99.5% cryst. (same as prices for powder). gran., bgs., c.l., frt. alld.. ton.99.00 - —
ton lots, ex whse..ton.111.00 - —
less than ton lots, ex whse..ton.116.00 - —
bbls., c.l., frt. alld..ton.109.00 - —
ton lots, ex whse..ton.121.00 - —
less than ton lots, ex whse..ton.126.00 - —
bulk, frt. alld.....ton. 95.50 - —
powd., bgs., c.l., frt. alld.. ton.104.00 - —
ton lots, ex whse..ton.116.00 - —
less than ton lots, ex whse..ton.121.00 - —
bbls., c.l., frt. alld..ton.114.00 - —
ton lots, ex whse..ton.126.00 - —
less than ton lots, ex whse..ton.131.00 - —
USP $25 per ton higher.

Butyric, 99%, dms., c.l., works, lb. .29 - —
l.c.l., same basis.....lb. .30 - —

Brosmer's bbls.....lb. 1.11 - —

Cacodylic, bots.....lb.13.50 -14.50
Camphoric, cns.....lb. 6.95 - 7.00
Caprylic, 99%, dms.....lb. No stocks
Capric, tech., ret. dms.....lb. No stocks
Castor oil,[1] split, ret. dms...lb. No stocks
Chlorosulphonic, dms., c.l., works..lb. .03 - —
l.c.l., works.....lb. .03½- .04½
tanks, works.....lb. .02½- —
Chromic, 99½-99¾%, dms., c.l., lb. .17 - —
l.c.l.....lb. .17½- .19
Cinnamic, refd., bots.....lb. 3.00 - 3.25
Citric, anhyd., gran., dms., c.l..lb. .22½- —
l.c.l., 10,000 lbs. 1 ship't. lb. .23 - —
smaller lots.....lb. .23½- .26½
kgs.....lb. .23½- .26½
USP, cryst., gran., bbls., c.l. lb. .20 - —
l.c.l., 10,000 lbs. 1 ship't, lb. .20½- —
smaller lots, bbls...lb. .21 - —
dms.....lb. .23 - .24
kgs.....lb. .21½- —
powdered citric acid, ½c. higher.
Cleve's, bbls.....lb. .65 - —
Coconut oil,[1] dist., dms.....lb. .17½- .19½
Corn oil,[1] s.d., dms., c.l., wks. lb. .12 - —
Cottonseed oil,[1] s.d., dms., c.l. c.l..lb. .12 - .13
tanks, dlvd.....lb. .11¼- .12¼
Cresylic, dom. coaltar, high-boil 50% (210°-215°), low boil 50% (204°-206°), and special blends, dms., c.l., works, frt. equald..gal. .81 - —
l.c.l., same basis....gal. .83 - —
tanks.....gal. .76 - —
Petroleum, heavy grade (247°-296°), dms., 20, Cal. ref..gal. .490 - —
Sewaren, N. J., ref.. gal. .616 - —
1-19, Cal. ref.....gal. .510 - —
Sewaren, N. J., ref.. gal. .636 - —
tanks, dlvd.....gal. .586 - —
light grade (200°-340°), tanks, Cal. ref..gal. .690 - —
medium grade (220°-346°), dms., 20, Cal. ref..gal. .50 - —
Sewaren, N. J., ref.. gal. .636 - —
1-19, Cal. ref.....gal. .570 - —
Sewaren, N. J., ref.. gal. .696 - —
tanks, dlvd.....gal. .646 - —
Crotonic, bbls., Canadian, wks., lb. .25 - —
Dichlorophenyoxyacetic, fib. dms., c.l., works..lb. .90 - —
l.c.l., works.....lb. .95 - .96
Salt, fib., dms., c.l., works.lb. 1.00 - —
l.c.l., works.....lb. 1.10 - 1.20
Diethylbarbituric (see Barbital).
F (see Acid, monosulphonic).
Formic, 85%, cbys., c.l., wks.lb. .10 - —
l.c.l., works.....lb. .10½- .11
90%, cbys., c.l., works.....lb. .10½- —
l.c.l., works.....lb. .11 - .11½
Fumaric, tech., bbls., dms..lb. .27 - .31
Gallic, NF V, bbls.....lb. 1.27 - 1.30
fib. dms.....lb. 1.32 - —
technical, bbls.....lb. 1.10 - 1.15
Gamma, bbls.....lb. .85 - —
Gluconic, tech., 50%, bbls....lb. .12 - —
dmjn.....lb. .21 - .22
kgs.....lb. .14 - .16
Glutamic hydrochloride, dms. lb. 2.00 - 2.40
Glycolic (see Acid, hydroxyacetic).
H, bbls.....lb. .43½- .45
Hydriodic, 45-47%, cbys.....lb. 2.42 - 2.44
5-lb. bots.....lb. 2.57 - —
57%, bots.....lb. 2.90 - —
Hydrobromic, medicinal, 48%, cbys., dlvd.E..lb. .48 - —
tech., 48%, cbys., same basis. lb. .45 - —
34%, cbys., same basis.....lb. .35 - .37
Hydrochloric (see Acid, Muriatic).
Hydrocyanic, cyls., works...lb. .80 - 1.00
NF, diluts, 2%, 5-lb. bots..lb. .30 - .34
Hydrofluoric, anhyd., cyls., wks. lb. .19 - .19½
tanks, works.....lb. .16 - —
30%, rubber dms., works..lb. .08 - .09
48%, rubber dms., works..lb. .12 - —
52%, rubber dms., works..lb. .12½- —
60%, rubber dms., works..lb. .13½- —
Hydrofluosilicic, 30-35%, bbls.lb. .08 - .09
Hydroxyacetic, 70% tech., bbls., non-return, Phila..lb. .084 - —
tanks, Belle, W. Va., acid basis..lb. .08½- —
Hypophosphorous, USP, djns. lb. .75 - .77
Lactic, edible, 50%, cbys., 20 or more..lb. .12½- —
smaller lots.....lb. .13 - .13½
80%, bbls., 5 or less.....lb. .24½- .24¾
plastic grade, 50%, bbls., cbys., 20 or more..lb. .14¼- —
10 or less.....lb. .14¾- .15¼
80%, bbls., cbys., 5 or less. lb. .26 - .26¼
tech., dark, 22%, bbls., c.l., works..100 lbs. 2.90 - —
l.c.l., works....100 lbs. 3.15 - —
cbys., works.....100 lbs. 4.15 - —
44%, bbls., c.l., works... 100 lbs. 6.30 - —
l.c.l., bbls., works.... 100 lbs. 6.55 - —
cbys., works.....100 lbs. 7.55 - —
light, 22%, bbls., c.l., works. 100 lbs. 3.30 - —
l.c.l., works....100 lbs. 4.15 - —
cbys., works.....100 lbs. 5.15 - —
44%, bbls., c.l., works.... 100 lbs. 7.30 - —
l.c.l., works.....100 lbs. 7.55 - —
cbys., works.....100 lbs. 8.55 - —
USP XII, 85%, cbys.....lb. .54 - .57
USP VIII, 75%, cbys.....lb. .52 - .55

Laurent's, bbls.....lb. .45 - —
Linseed oil,[1,7] light, dms...lb. .21½- .22
Maleic, powd., dms.....lb. .30 - —
Anhydride (see M).
Malic, powd., kgs.....lb. .47 - —
Mandelic, USP, dms., 1,000 lb. lots..lb. 2.05 - —
smaller lots.....lb. 2.10 - 2.30
Mixed, tanks, nitric unit....lb. .05 - .06
sulphuric unit.....lb. .0065- .009
Molybdic,[1] kgs., works.....lb. .96 - 1.10
Monochloracetic, tech., flakes, 96-97%, dms...lb. .16½- —
purified, flakes, 99%, dms...lb. .20 - —
Monosulphonic, bbls.....lb. 1.50 - —
Muriatic, 18°, cbys., c.l., E. works..100 lbs. 1.50 - —
l.c.l., E. works....100 lbs. 1.75 - 2.45
tanks, works.....100 lbs. 1.05 - —
20°, cbys., c.l., E. works.... 100 lbs. 1.75 - —
tanks, E works.....ton.22.00 - —
22°, cbys., c.l., E. works.... 100 lbs. 2.25 - —
tanks, E. works.....ton.32.00 - —
CP, USP, consumers, cbys. extra..lb. .08 - —
6-lb. bots., extra.....lb. .10 - —
dealers, cbys. extra....lb. .06½- —
6-lb. bots., extra.....lb. .08½- —
Myristic, dist., dms.....lb. No stocks
Naphthenic, 210-220 acidity, dms., extra, works..lb. .10¾- —
tanks, works.....lb. .09 - —
230-245 acidity, dms., extra, works..lb. .12¾- —
tanks, c.l., works.....lb. .12 - —
Nicotinic, USP, dms.....kilo. 6.50 - 6.60
Nicotinic amide (see Nicotinamide).
Nitric, 36°, cbys., c.l., E. works..100 lbs. 5.00 - —
l.c.l., 25, E., works.100 lbs. 5.25 - —
10 to 24, works..100 lbs. 5.35 - —
1 to 9, works....100 lbs. 5.95 - —
38°, cbys., c.l., E. works.... 100 lbs. 5.50 - —
Western works...100 lbs. 5.75 - —
40°, cbys., c.l., E. works.... 100 lbs. 6.00 - —
42°, cbys., c.l., E. works.... 100 lbs. 6.50 - —
CP, USP, consumers, cbys. extra..lb. .13 - —
7-lb. bots., cs., extra, lb. .15 - —
dealers, cbys. extra....lb. .11½- —
7-lb. bots., cs., extra..lb. .13½- —
Oleic (see Oil, red).
Oleum (see Acid, sulphuric, fuming).
Oxalic,[1] bbls., c.l., works....lb. .11¼- —
10,000 lbs.....lb. .11½- —
smaller lots.....lb. .12¼- —
Palm oil,[8] white, dist., dms..lb. No stocks
Para-aminobenzoic, cns.....lb. 1.40 - —
Paranitrobenzoic, cns.....lb. .72 - —
Paratoluidinmetasulphonic, bbls., works..lb. .80 - —
Peanut oil,[1] s.d., tanks, works, lb. .11¼- —
Phenylacetic, bots.....lb. 1.65 - 1.85
Phosphoric, food grade, 50%, bbls., c.l., works, frt. equald..100 lbs. 4.00 - 4.25
cbys., c.l., works, frt. equald..100 lbs. 4.35 - 4.60
l.c.l., works, frt. alld., 100 lbs. 5.25 - 7.25
tankwagon, dlvd. N. Y., Phila. Met. area...100 lbs. 4.00 - —
75%, bbls., c.l., works, frt. equald..100 lbs. 4.75 - 5.00
cbys., c.l., works, frt. equald..100 lbs. 5.10 - 5.35
l.c.l., frt. alld....100 lbs. 7.00 - 9.50
tanks, works, frt. equald., 100 lbs. 4.00 - 4.25
tankwagon, dlvd. N. Y., Phila. Met. area..100 lbs. 4.75 - —
USP, 100-lb. cbys., c.l.....lb. .10½- —
10 cbys. to c.l.....lb. .11¼- —
2 to 9 cbys.....lb. .12 - —
single cbys.....lb. .13 - —
70-lb. cbys.....lb. .10½- —
25 cbys. to c.l.....lb. .11¼- —
5 to 24 cbys.....lb. .12 - —
1 to 4 cbys.....lb. .13 - —
dilut., 10%, cbys., djns...lb. .07 - .07½
Picramic, kgs.....lb. .65 - .70
Picric, bbls.....lb. .35 - —
Propionic,[1] synth., pure, dms., works..lb. .19½- —
tanks, works.....lb. .15½- —
Pyrogallic, tech., bbls.....lb. 1.45 - 2.03
USP, cryst., dms.....lb. 2.10 - 2.15
resub., dms.....lb. 2.90 - 2.95
Pyroligneous, dms., dlvd. E.. gal. .30 - —
Ricinoleic, com'l split (see Acid, castor oil, split).
Salicylic,[1] tech., bbls., c.l...lb. .24 - —
100 lbs. to c.l.....lb. .23 - —
smaller lots.....lb. .34 - .42
USP, bbls., c.l.....lb. .28 - —
100 lbs. to c.l.....lb. .35 - —
smaller lots.....lb. .36 - .44
Sebacic, tech., dms., c.l., works. lb. .50 - —
l.c.l., works.....lb. .51 - .52
Soybean oil,[1] s.d., dms., works. lb. .11¾- .16½
tanks, works.....lb. .11 - .15¾
Stearic,[1] double pressed, bgs., c.l., dlvd. E. Rockies..lb. .15¾- —
W. of Rockies.....lb. .16¾- —
Texas and Okla., dlvd., lb. .16¾- —
single pressed, bgs., c.l., dlvd. E. of Rockies..lb. .15¾- —
W. of Rockies.....lb. .16¾- —
Texas and Okla., dlvd., lb. .15¾- —
triple pressed, bgs., c.l., dlvd. E. of Rockies..lb. .18¾- —
W. of Rockies.....lb. .19¾- —
Texas and Okla., dlvd., lb. .19¼- —
Stearic acid l.c.l. prices are:—Ton lots, ½c. per lb. higher; less than ton lots, 1c. higher.
Succinic, bbls.....lb. .75 - —
Sulphanilic, CP, bots., works.lb. 1.60 - 1.63
tech., dms., works.....lb. .17 - —
Sulphuric, 60°, cbys., c.l., E. works..100 lbs. 1.25 - —
l.c.l.....100 lbs. 1.50 - 2.20
tanks, E. works.....ton.13.00 - —
66°, cbys., c.l., E. works.... 100 lbs. 1.50 - —
tanks, E. works.....ton.16.50 - —
98°, tanks, works..... ton.17.50 - —

Acid, sulphuric, CP, USP, consumers cbys. extra..lb. 08 - —
9-lb. bots., cs. extra..lb. 10 - —
dealers, cbys. extra....lb. .06½- —
9-lb. bots., cs. extra..lb. .08½- —
fuming, 20%, tanks, E. works, ton.19.50 - —

Tannic, tech., bbls., dms....lb. .71 - .72
USP, fluffy, bbls., 1,000 lbs.. lb. 1.32 - —
smaller lots.....lb. 1.35 - 1.38
powder, bbls., 1,000 lbs..lb. 1.13 - —
smaller lots.....lb. 1.15 - —

Tartaric,[1] USP, cryst., gran., powd., bbls., 10,000 lbs., 1 ship't..lb. .62½- —
smaller lots.....lb. .63 - —
kgs.....lb. .65½- —

Thioglycolic, bbls., cbys., basis 100%..lb. 2.80 - 3.00
Tobias, bbls.....lb. .55 - .60
Trichloroacetic, bots.....lb. 2.80 - 2.89
Tungstic,[1] CP, 100-lb. pkgs....lb. 2.94 - 3.10
pure, 100-lb. kgs.....lb. 2.38 - —
Aconite leaves, bls.....lb. 1.10 - 1.40
Root, bls.....lb. 1.30 - 1.35
Aconitine, amorph., bots.....oz.28.00 -28.00
15-gr. vials.....vial. 1.00 - —
cryst., bots.....oz.42.00 -48.00
15-gr. vials.....vial. 1.60 - —
Acrylonitrile, dms., c.l., works. lb. .28 - —
l.c.l., works.....lb. .30½- —
tanks, works.....lb. .25 - —
Adeps lanae,[1] USP, anhyd., cosmetic, dms., works..lb. .33 - .94
pharmaceutical, dms., works, lb. .32 - .33
Agar .....lb. 2.50 - —
San Diego, Cal.....lb. 3.00 - —
Agaric, white, bls.....lb. 2.85 - 2.90
Albumen, blood, dark (see Blood, soluble).
light, dms., Chicago.....lb. .65 - .70
egg, edible,[1,7] powd., bbls....lb. 1.98 - 2.07
granular, cryst., bbls.....lb. 1.94 - 2.03
tech., cryst., bbls.....lb. 1.20 - 1.25
Alcohol, allyl, dms., c.l., dlvd.lb. .21 - —
l.c.l., dlvd.....lb. .21½- —
tankcars, dlvd.....lb. .20 - —
Amyl ex pentane, dms., c.l., frt. alld. E. of Miss. R. lb. .141 - —
l.c.l., frt. alld.....lb. .151 - —
tanks, frt. alld.....lb. .131 - —
(see also Fusel oil, ref.).
Benzyl, cns.....lb. .70 - .75
dms.....lb. .65 - —
Butyl, normal,[1] ferment., Ill., Ind. prod., dms., c.l., frt. alld..lb. .2180- —
l.c.l., frt. alld. E....lb. .2230- —
tanks, frt. alld. E....lb. .2080- —
tankwagons, frt. alld.lb. .2130- —
other production, dms., c.l., frt. alld. E..lb. .1980- —
l.c.l., frt. alld. E....lb. .2000- —
tanks, frt. alld. E....lb. .1850- —
synthetic, dms., c.l., frt. alld. E....lb. .11¾- —
l.c.l., frt. alld. E....lb. .12¼- —
tanks, frt. alld. E....lb. .10¾- —
Normal butyl alcohol prices in West, ¼c. per lb. higher.
secondary, dms., c.l., dlvd.lb. .095 - —
l.c.l., dlvd.....lb. .10 - —
tanks, dlvd.....lb. .09½- —
tertiary, denat., dms., c.l..lb. .13¼- —
l.c.l., dms.....lb. .13 - —
tanks.....lb. .11 - —
Capryl, dms., c.l., works...lb. .17½- —
l.c.l., works.....lb. .18¼- —
tanks, works.....lb. .16 - —
Cetyl, dom., CP, fiber ctns., 1,000 lbs. 1.75 - 1.90
smaller lots.....lb. 1.95 - 2.30
Cinnamic, bots.....lb. 3.00 - 3.25
Denatured,[1,7] CD14, dms., c.l., works, E..gal. .613 - —
l.c.l., works, E.....gal. .633 - .638
tanks, E. dlvd.....gal. .543 - —
Tankcar sales require written authorization by Alcohol Tax Unit.
SD1, 190 pf., dms., c.l., E. works..gal. .612 - —
l.c.l., works, E.....gal. .632 - .653
tanks, E. works.....gal. .542 - —
Anhydrous 5c. per gal. higher.
SD2B, dms., c.l., wks., E.gal. .60½- —
l.c.l., works, E.....gal. .62½- .66¼
tanks, E. works.....gal. .53½- —
SD23G, dms., c.l., works..gal. .652 - —
l.c.l., works.....gal. .672 - —
tanks, works.....gal. .582 - —
SD23H, dms., c.l.....gal. .61 - —
l.c.l., works, E.....gal. .63 - .66¼
tanks, E. works.....gal. .54 - —
SD29, denatured, with acetaldehyde, dms., c.l., E. works. gal. .62 - —
l.c.l., works, E.....gal. .64¼- .66¼
tanks, E. works.....gal. .55 - —
When any of the several SD39 denaturants is supplied by the purchaser, the prices are the same as those for SD21 plus 1½c. per gal. denaturing charge.
Special solvent, dms., c.l., works, E..gal. .63 - —
l.c.l., works, E.....gal. .65 - .66
tanks, E. works.....gal. .56 - —
Tankcar sales require written authorization by Alcohol Tax Unit.

Controls on Materials

Applications of WPB, OPA and WFA regulations to materials listed in this section are indicated by superior figures as follows:—

1—Specific price ceiling
2—Price agreement (sellers with OPA)
3—General Limitation Order
4—General Preference Order
5—Conservation Order
6—Allocation
7—War Food Order

Alcohol, diacetone, acetone-free, dms., c.l., dlvd.	lb.	.11½- .14½
l.c.l., dlvd.	lb.	.12 - .15
tanks, dlvd.	lb.	.10½- .13½
tech., dms., c.l., dlvd.	lb.	.11 - .13½
l.c.l., dlvd.	lb.	.11¼- .14
tanks, dlvd.	lb.	.10 - .13½
Ethyl, 190 pf., dms., c.l., wks.	gal.	17.12½- —
l.c.l., works	gal.	17.76 -17.79
tanks	gal.	17.62½- —
absolute, dms., c.l., works	gal.	18.67½- —
l.c.l., works	gal.	18.71 -18.74
tanks	gal.	18.62½- —
Ethylhexyl, dms., c.l., works	lb.	.34 - —
l.c.l., works	lb.	.36 - —
tanks, works	lb.	.32 - —
Furfuryl, tech., cns., works	lb.	.35 - —
dms., c.l., works	lb.	.22½- —
l.c.l., works	lb.	.25 - —
tanks, works	lb.	.19 - —
Isoamyl (see Carbinol, isobutyl).		
Isobutyl, refd., dms., works	lb.	.0[illegible]- —
tanks, works	lb.	.07[illegible]- —
Isopropyl, refd., 91%, dms., incl., c.l., dlvd.	gal.	.36 - —
l.c.l., dlvd.	gal.	.41 - —
tanks, dlvd.	gal.	.31½- —
99%, dms., incl., c.l., dlvd.	gal.	.41¼- —
l.c.l., dlvd.	gal.	.44½- —
tanks, dlvd.	gal.	.36 - —
Methyl (see Methanol).		
Methylamyl (see Carbinol, methylisobutyl)		
Octyl (see Alcohol, ethylhexyl).		
Phenylethyl, dms.	lb.	2.30 - 2.75
Polyvinyl, type A, fiber-pack, Niagara Falls.	lb.	.68 - .73
type B, fiber-pack, same basis.	lb.	.60 - .65
Alcohol, propyl, normal, dms., works.	gal.	.67 - —
smaller containers, works.	gal.	.82 - —
tanks, works	gal.	.59 - —
Tetrahydrofurfuryl, cns., Cedar Rapids, Ia.	lb.	.35 - —
dms., c.l., Waverly, N. Y.	lb.	.40 - —
l.c.l., same basis	lb.	.50 - —
Aldol, dms., works	lb.	.12 - .15
denaturing grade, dms.	gal.	1.30 - —
Aletris root, bgs.	lb.	2.75 - 3.00
Algarobilla,[1] c.l., ex dock	long ton.	80.00 -83.00
Algarobilla price based on ocean $12 and $1 insurance per long ton.		frt. at
Algin, bbls., fib. dms.	lb.	.76 - 1.00
Alizarin (see Red, alizarin).		
Alkanet, root, bgs.	lb.	.85 - .90
Allspice,[1] Mexican, futures, bgs.,	lb.	.15 - .18½
Allyl bromide, chys., 5,000 lbs., works.	lb.	.80 - —
smaller lots, works	lb.	1.05 - 1.10
Chloride, dms., c.l., dlvd.	lb.	.12½- —
l.c.l., dlvd.	lb.	.14 - —
tanks, dlvd.	lb.	.12½- —
Aloe, Cape, cs.	lb.	No stocks
Curacao, kgs.	lb.	.47 - .48
Socotrine, kgs.	lb.	.43 - .44
Aloin, bbls., dms., kgs.	lb.	4.50 - 4.80
alphanaphthol, bbls.	lb.	.52 - —
Alphanaphthylamine, bbls.	lb.	.32 - —
Alphapicoline, rat. dms., works, frt. equald.	lb.	.12¼- .28½
Alphapinene, dms., c.l., wks.	gal.	.89½- —
l.c.l., works	gal.	.91½- —
tanks, works	gal.	.86½- —
Alphaterpineol, dms., c.l., works.	lb.	.1340- —
l.c.l., works	lb.	.1390- —
tanks, works	lb.	.1200- —
Alphatocopherol, amp.	gram.	1.00 - 1.10
Althea root, NF, peeled, bls.	lb.	.55 - .60
Alum, ammonia, burnt, USP, bbls., kgs.	lb.	.16 - .18
gran., bbls., works	100 lbs.	4.00 - —
dlvd., N. Y., Phil.	100 lbs.	4.00 - —
lump, bbls., works	100 lbs.	4.25 - —
dlvd., N. Y., Phil.	100 lbs.	4.25 - —
powd., bbls., works	100 lbs.	4.40 - —
dlvd., N. Y., Phil.	100 lbs.	4.40 - —
Potash, gran., bbls., works.	100 lbs.	4.25 - —
dlvd., N. Y., Phil.	100 lbs.	4.25 - —
lump, bbls., works	100 lbs.	4.50 - —
dlvd., N. Y., Phil.	100 lbs.	4.50 - —
powd., bbls., works	100 lbs.	4.65 - —
dlvd., N. Y., Phil.	100 lbs.	4.65 - —
Potash-chrome, bbls.	lb.	.12¼- .15
Soda, bbls., c.l., works	100 lbs.	3.25 - —
l.c.l., dlvd.	100 lbs.	4.25 - 5.00
Alumina, classified, grade, ground, kgs., works.	lb.	.32 - .67
top grade, ground, kgs., works.	lb.	.60 - .67
unclassified, ground, kgs., works.	lb.	.10½- .60
Acetate, basic solution, 24%, bbls., dlvd.	lb.	10½- .11
20%, bbls., dlvd.	lb.	.09½- .10
Chloride, anhyd., com'l, dms., c.l., works.	lb.	.08 - .11
l.c.l., works	lb.	.09 - .12
cryst., com'l, dms., c.l., works.	lb.	.09 - —
l.c.l., works	lb.	09¼- .09¾
solution, 32 deg., cryst., c.l., works.	lb.	.02¾- —
l.c.l., works	lb.	02¼- —
Fluoride, tech., bbls.	lb.	.25 - —
Formate, solution, 12-20° Be, bbls., c.l., works, f.o.b. equaled Phila. and Chi.	lb.	.00½- —
l.c.l., works, same basis,	lb.	.10 - —
Alumina hydrate, heavy bgs., c.l., works.	lb.	.024 - .061
l.c.l., works	lb.	.035 - .040
light, bgs., dlvd.	lb.	.14½- —
bbls., dlvd.	lb.	.15 - —
Hydroxide, gel, tech., min. 16% Al (OH)$_3$ dms., 10,000 lbs. or or more, f.o.b. ship't point.	lb.	.06 - .09¼
ton lots, same basis	lb.	.08¼- .09¼
smaller lots, same basis,	lb.	.80¾- .84
conc., 9-9½% Al_2O_3, fib. dms., works.	lb.	.17½- —
contract, works	lb.	.16½- —
14-15% Al_2O_3, fib. dms., wks.	lb.	.20½- —
contract, works	lb.	.19½- —
dried, USP XII, fib. dms., works.	lb.	.72 - —
contract, works	lb.	.75 - —
powder, tech. (see Alumina hydrate).		
USP IX, bbls., dms.	lb.	.15 - .17
Laurate, precip., bbls.	lb.	.30 - .36
Naphthenate, 1.7% Al, 80-gal. dms., works.	lb.	.19½- —
Oleate, dms., contract	lb.	.24½- —
Resinate, precip., dms.	lb.	.13½- —
Stearate, precip., cts., c.l.	lb.	.32 - —
l.c.l.	lb.	.34 - —
Sulphate, com'l, bgs., c.l., works, frt. equald.	100 lbs.	1.15 - 1.20
l.c.l., works, frt. equald.	100 lbs.	1.40 - 1.80
bbls., c.l., works, frt. equald.	100 lbs.	1.20 - 1.40
l.c.l., works, frt. equald.	100 lbs.	1.60 - 1.70
iron-free, bgs., c.l., works.	100 lbs.	1.75 - —
l.c.l., works	100 lbs.	2.00 - —
Trihydrate, heavy (see Alumina hydrate).		
Aluminum, 98-99%, c.l.	lb.	.15 - —
l.c.l.	lb.	.15 - .16
Paste, lining, extra fine, 200-lb. dms.	lb.	.56 - .60
ink., 150-lb. dms.	lb.	.71 -
standard, 200-lb. dms.	lb.	.38 - —
Powder, lining, extra, fine, 150 lb. dms.	lb.	.93 - —
litho, 150-lb. dms.	lb.	.60 - —
standard, 200-lb. dms.	lb.	.62 - —
rubber comp., 200-lb. dms.	lb.	.42 - —
unpolished, stand., dms.	lb.	.38 - —
varnish, stand., 300-lb. dms.	lb.	.42 - —

Aluminum powder and paste prices are f.o.b. shipping point. Add 1c. per lb. for 100-lb. dm., 1½c. per lb. for 50-lb. dm., 3c. per lb. for 10-lb. can, and 5c. to 12c. per lb. for smaller containers. Deduct 1c. per lb. for single shipment of 400 to 1,499 lbs., 2c. for 1,500 to 4,999 lbs., 3c. for 5,000 to 20,000 lbs., and 4c. for 30,000 lbs. or more. Where destination is within the continental U. S., a deduction equivalent to the lowest available common carrier, transportation rate will be made from sellers' invoice on orders of 200 lbs. or over.

Ambergris, gray, tns.	oz.	6.75 -12.00
Aminoethylpropanol, cms., dms., works.	lb.	.80 - .85
Aminopyrine, bots., dms.	lb.	4.00 - 4.40
Ammonia acetate, reagent, crystals, bbls.	lb.	.34 - —
purified, bbls.	lb.	.33 - —
Anhydrous, fertilizer, tankcars, works, frt. equald.	ton.	59.00 - —
purs, cyls.	lb.	.14½- —
refrigeration, tanks, works	ton.	61.50 - —
Aqua, 26°, coys.	lb.	.06¼- —
dms., c.l.	lb.	.02¾- —
l.c.l.	lb.	.03½- —
tanks, works (NH_3 content).	ton.	65.00 - —
Benzoate, USP, dms., kgs., 4,000 lbs., up, f.t. alld.	lb.	.42 - —
smaller lots, frt. alld.	lb.	.44 - .47
Biborate, gran., bbls., N. Y. or Chi.	lb.	.1515- —
Bicarbonate, dms., c.l.	lb.	.0504- —
Bichromate, bbls.	lb.	.23 - .28
Bifluoride, bbls.	lb.	.16 - .18½
Borate, gran., bbls., kgs.	lb.	.1060- —
powd., bbls., kgs.	lb.	.1130- —
Bromide, gran. NF, bbls.	lb.	.28 - —
dms.	lb.	.29 - —
Powdered ammonia bromide 10c. per lb. higher.		
Carbonate, USP, lump, dms.	lb.	.06¼- .06¼
cns.	lb.	.14¼- .17½
powdered, 1c. per lb. higher.		
Chloride, tech. (see Ammonias, sal).		
USP, gran., bbls., dms., kgs.	lb.	.13 - .15
Citrate, dibasic, bbls.	lb.	.75 - —
dms.	lb.	.80 - .85
Fluoride,[2] bbls.	lb.	No stocks
Hydroxide (see Ammonia, aqua).		
Hypophosphite, NF, dms.	lb.	1.95 - 1.97
jars	lb.	1.90 - 1.95
Iodide, NF, bots.	lb.	3.71 - —
jars	lb.	3.66 - —
Linoleate, 80%, anhyd., bbls.	lb.	.12 - —
Molybdate,[2] c.p., cryst., kgs.	lb.	1.24 - 1.26
fine cryst., bbls., kgs.	lb.	.94 - .97
purified, dms.	lb.	1.10 - 1.12
Nitrate,[1] fertilizer grade, Canadian, 33.5% nitrogen, bgs., same N unit price, delivered, as Ammonia sulphate, bgs., c.l., shipping point	ton.	50.00 - —
bulk, same basis	ton.	46.00 - —
tech., bgs., works	100 lbs.	4.25 - 4.50
bbls., works	100 lbs.	4.25 - —
Nitrate - limestone, 20.5% N. bgs., Hopewell, Va.	ton.	22.50 - —
Oleate, dms.	lb.	.14 - —
Oxalate, fine gran. bbls.	lb.	.23 - —
dms.	lb.	.25 - .29
Perchlorate, kgs.	lb.	No stocks
Persulphate, kgs.	lb.	.25½- .25½
Phosphate, dibasic, NF V. bbls.	kgs. lb.	.27 - .29
tech., bgs., c.l., works.	lb.	.07 - —
l.c.l., works	lb.	.07¾- —
monobasic, pure, bbls.	lb.	.39 - .41
tech., bgs., c.l., works.	lb.	.07 - —
l.c.l., works	lb.	.07¾- .08¼
Salicylate, NF, dms., kgs.	lb.	1.15 - 1.16
Silicofluoride, bbls.	lb.	.15 - .18
Stearate, anhydrous, dms.	lb.	.24 - —
paste, dms.	lb.	.05¼- —
Sulphamate, bbls., works	lb.	.18 - .21
Sulphate,[1] bulk, inland producing ovens.	ton.	28.20 - —
Atlantic coast ports.	ton.	29.20 - —
Sulphide, liquid, 40-45% basis 100%, dms., c.l., works.	lb.	.09 - —
l.c.l., dlvd.	lb.	.10 - —
tanks, dlvd.	lb.	.07½- —
red, 45% cbys, works.	lb.	.08 - —
dms., works	lb.	.04 - —
yellow, 35%, cbys., works.	lb.	.03 - —
dms., works	lb.	.04 - —
Sulphocyanide, CP, bbls.	lb.	.55 - —
jars	lb.	.57 - —
tech., bbls.	lb.	.17 - .19
Thiocyanate (see Ammonia sulphocyanide).		
Thioglycollate, highly purified, 100% basis, bbls.	lb.	7.10 - 8.25

Choose the Hooker Chlorinating Agent that Best Fits Your Process...

Whatever method or type of reaction you want to use to introduce chlorine into organic and inorganic compounds you can select the one best suited to your operations from Hooker Chlorinating Agents. Seven Hooker chemicals listed below are available for chlorinating. Their application is so widespread that we can only touch briefly here on a few of their uses in organic synthesis.

CHLORINE, Cl_2, readily enters into addition and substitution reactions with many types of organic compounds. With aromatic hydrocarbons chlorine is widely used for the chlorination of both side chains and nucleus of the compound by the use of the proper catalyst. Chlorine is also widely used in reactions with acetic acid, nitro compounds, sulfonic acids, esters and ethers. Hooker Liquid Chlorine made in the Hooker "S" cell conforms to the high standards of the industry.

HYDROGEN CHLORIDE, HCl, the anhydrous gas is used to form alkyl chlorides through reaction with alcohols, ethers and unsaturated hydrocarbons. It reacts with organic acid anhydrides to form acid chlorides. Hydrogen Chloride may combine with vinyl chloride, ethylene, and rubber to form many important compounds. Hooker Hydrogen Chloride is supplied in an aqueous solution as muriatic acid or it may be synthesized from hydrogen and chlorine under licensing arrangements with us.

SULFURYL CHLORIDE, SO_2Cl_2, is commonly used to form organic acid chlorides. It may be used to produce chlor derivatives of phenols and in the presence of certain catalysts to produce chlor derivatives of hydrocarbons or the sulfonyl chlorides of hydrocarbons.

THIONYL CHLORIDE, $SOCl_2$, available in a high degree of purity is a popular chlorinating agent because by-products of its reactions are sulfur dioxide and hydrogen chloride, gases readily removed by heating. It reacts with organic acids to form either acid chlorides or anhydrides depending upon ratio of acid to Thionyl Chloride.

SULFUR DICHLORIDE, SCl_2, is used as a chlorinating agent and in these reactions may be considered the equivalent of chlorine dissolved in sulfur monochloride. It reacts with sodium salts of organic acids to produce acid anhydrides.

SULFUR MONOCHLORIDE, S_2Cl_2, and SULFUR DICHLORIDE, SCl_2, are used in metallurgy to chloridize sulfide ores. They react with unsaturated hydrocarbons introducing sulfur or chlorine, or both in the molecule. Unsaturated fatty acids are treated with these chlorides to produce cutting oil bases. They also find extensive use in the manufacture of dye intermediates, rubber substitutes, military gases, insecticides, and pharmaceuticals. Phenolic resins can be made through the use of these chlorides. The sulfur chlorides which have a ready source of chlorine are ideal chlorinating agents with the added advantages of low cost, ease of handling and storage.

PHOSGENE (Carbonyl Chloride), $COCl_2$, is the acid chloride of carbonic acid. With alcohols it forms either chlorformates or carbonates. With amines it forms chloramides, substituted ureas or isocyanates. It enters into many Friedel-Crafts syntheses with aromatics to produce acid chlorides or aryl ketones. It may also act as an agent for direct chlorination. With metallic oxides and sulfides, it gives anhydrous chlorides. Reacting with organic acids it has been used to make acid chlorides and anhydrides.

HOOKER RESEARCH *Presents*
TETRAPHENYL TIN
$(C_6H_5)_4Sn$

This new Hooker Chemical is an almost odorless, white to light tan, crystalline, free flowing powder with excellent thermal stability. Melting point is 228°±1.5°C and Boiling point 424°C. Decomposition in glass at boiling point occurs very slowly. It is soluble in ethyl alcohol, insoluble in water. Among its suggested uses and applications are as an HCl scavenger for use with stabilizers in chlorinated compounds, as a preservative for mineral oils and as a reagent in chemical synthesis. Hooker Technical Date Sheet 733 containing additional physical and chemical data is available. Samples will also be furnished to those interested when requested on business letterhead.

BULLETIN No. 328A, a technical discussion on Hooker Chlorinating Agents, gives more information on these chlorinating agents and is available upon request. Our technical staff is also at your service in helping to solve problems involving the introduction of chlorine into organic chemicals or in the application of any of the many Hooker chemicals.

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Paradichlorbenzene **Sodium Sulfhydrate** **Sodium Sulfide**

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Ammoniac gum (see Gum, ammoniac)
Sal, gray, bbls., c.l., works.....
100 lbs. 5.50 - 5.75
l.c.l., works.....100 lbs. 6.00 - 6.75
waits, gran., bbls., c.l., works,
100 lbs. 4.45 - —
l.c.l., same basis.100 lbs. 5.15 - —
Amyl acetate, ex fusel oil, tech., dms., c.l., dlvd..lb. .17 - —
l.c.l., dlvd.....lb. 17½- —
tanks, dlvd.....lb. 16 - —
ex-pentane, dms, c.l., frt. alld. E. of Miss. R..lb. 15½- —
l.c.l., same basis.....lb. .16½- —
tanks, same basis.....lb. .14½- —
Alcohol (see Alcohol, amyl).
Butyrate, dms.....lb. .90 - 1.00
Chloride, mixed, tech., dms., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
tanks, works.....lb. .06 - —
Ether, dms., c.l., works.....lb. .095 - —
l.c.l., works.....lb. .103 - —
tanks, works.....lb. .085 - —
Nitrite, USP, bots.....lb. 1.72 - 1.80
Mercaptan, dms., works.....lb. 1.10 - —
Salicylate, bots.....lb. .90 - .95
Stearate, dms., works.....lb. .42 - —
Anethol, com'l, dms., works..lb. .657 - .682
NF, dms.....lb. 2.30 - 2.50
Angelica dom. atropurpurea root, bls..lb. 1.30 - 1.40
Imported, natural, bls.....lb. 2.50 - 2.60
Angostura bark, bls.....lb. .21 - .22
Anilin oil, dms., c.l., works, frt. alld..lb. .11½- —
l.c.l., works, frt. alld.....lb. .12½- —
Anise, works, frt. alld.....lb. .10½- —
Salt, dms., works.....lb. .22 - .24
Anise, Bulgarian, bgs.....lb. No stocks
Chinese.....lb. .38 - .39
Cyprus, bgs.....lb. No stocks
Mexican, bgs., futures.....lb. .34½- .35
Syrian, bgs.....lb. No stocks
Turkish, bgs.....lb. No stocks
Anisic aldehyde, dms.....lb. 2.75 - —
ens., bots.....lb. 2.90 - 3.25
Annatto, paste, bxs.....lb. .34 - .39
Seed, bgs.....lb. .13½ - .13¾
Anthracene, 80-85%, bbls., works, lb. .55 - —
80%, bbls., works.....lb. .65 - —
Anthraquinone, 99.5%, bbls.....lb. .70 - —
Antimony butter (see Antimony chloride).
Chloride, solut., cbys.....lb. .17 - —
Metal,[1,6] bulk, c.l., works...lb. .14½- .17¼
Needle,[1,6] Bolivian, brown, 67%, cs..lb. .16¼ Nom.
Chinese, black, 70%, cs.....lb. .20 - .22
Oxide,[1,6] ceramic grade, bgs., c.l...lb. .16 - —
l.c.l.....lb. .17 - —
paint grade, bgs., c.l.....lb. 16½- —
l.c.l.....lb. 16¾- —
Salt,[1,6] 65%, bgs., c.l., dlvd. E. of Miss. River..lb. No stocks
Sulphide,[1,6] 65-70%, bbls., c.l., works..lb. .17 - —
l.c.l., works.....lb. 17½- —
Antipyrine, bbls., kgs., ton....lb. 2.00 - —
smaller lots.....lb. 2.10 - 2.20
Apomorphine, bots.....oz. 2.20 - 2.70
Apple syrup,[1] bbls.....lb. .14 - .16
Archil extract, bbls.....lb. No stocks
Areca nuts, powd., bbls.....lb. .17 - .18
Arecoline hydrobromide, bots..oz. 6.10 - 7.10
Argols, min. 70%, bgs., shipment port, 100 kilos (100% purity).65.00 - 67.00
Arnica flowers, bbls.....lb. 2.15 - 2.25
Arrowroot, powd., bgs., bbls..lb. .10½- .11
Arsenic, chloride (arsenous), bots. lb. 1.85 - —
Metal, lump, c.l.....lb. No prices
Sulphide, yellow, bbls.....lb. No stocks
Trioxide (see Acid, arsenous, and Arsenic, white).
White, powd., kgs., c.l.....lb. .04 - —
l.c.l.....lb. .04¾- —
Asafetida, cs.....lb. .55 - .60
powd., bbls., dms.....lb. .75 - .90
Asbestine (see Talc, N. Y., fibrous)
Asbestos, fiber[1] 5D and 5K bgs., c.l. (20 tons), Cana. mines. ton. 49.50 - —
5R, bgs., c.l. (20 tons), same basis..ton. 44.00 - —
6D, bgs., c.l. (20 tons), same basis..ton. 82.00 - —
7D, bgs., c.l., same basis.ton. 28.50 - —
7F, bgs., c.l., same basis.ton. 26.50 - —
7H, bgs., c.l., same basis.ton. 23.50 - —
7K, bgs., c.l., same basis.ton. 19.00 - —
7M, bgs., c.l., same basis.ton. 16.50 - —
7R, bgs., c.l., same basis.ton. 15.50 - —
Asphaltum, Barbados, Dunellen, N. J..lb. .10½- —
California, dms., c.l.....ton. 38.40 - —
l.c.l. .....ton. 41.40 - —
Cuba, A, bulk, c.l.....ton. 60.00 - —
l.c.l. .....ton. 90.00 - —
B, bulk, c.l.....ton. 38.50 - —
l.c.l. .....ton. 55.00 - —
Egyptian .....ton. No stocks
Gilsonite,[1] brilliant black, selects, 340° F. fusing point, bgs., mines..ton. 30.00 -32.00
240-295° fusing point, bgs., mines..ton. 20.50 - —
seconds, 300-350° F. fusing point, not uniform, bgs., mines..ton. 25.50 - —
jet, bgs., ton lots, gross weight, Colo. mines..ton. 30.50 - —
Manjak, No. 10, crude, dms., works..lb. .05½- .12
process form, bgs., works..lb. .09¾- .13
jet, bgs., 2,000 lbs., gross weight, Colo. mines..ton. 20.00 - —
Mexican, refd., dms., f.o.b. Tampico, Mex. metric ton. 27.00 - —
South American, refd., dms., c.l., N. J. refy..ton. 22.00 -23.00
l.c.l., same basis.....ton. 24.00 -25.00
tanks, same basis.....ton. 15.00 - —
Atropine, bots.....oz. 2.85 - —
Sulphate, bots.....oz. 7.25 - —

B

Balm of Gilead buds, bgs.....lb. 1.90 - 2.00
Barbasco root,[1] (see Cube root).
Barberry root bark, bgs.....lb. .75 - .80
Barbital, dms.....lb. 3.50 - 3.60
Sodium, dms.....lb. 3.75 - 3.85
Barium carbonate, natural, 90% through 200 mesh, bgs., c.l., works..ton. 43.00 - —
precip., bgs., c.l., works..ton. 60.00 -70.00
l.c.l., works.....ton. 65.00 -75.00
bbls., c.l., works.....ton. 65.00 -75.00
l.c.l., works.....ton. 70.00 -80.00
Chlorate, kgs., works.....ton. .27½- .31
Chloride, CP, cryst., bbls.....lb. .25 - .27
pure, bbls., kgs.....lb. .10 - .12
tech., cryst., bgs., c.l., works, ton. 73.00 - —
l.c.l., works.....ton. 78.00 - —
bbls., c.l., works.....ton. 75.00 - —
l.c.l., works.....ton. 80.00 - —
Dioxide, dms., c.l., works....lb. .10 - —
l.c.l., works.....lb. .12 - .13
Fluoride, bbls.....lb. .18 Nom.
Hydrate, crystals, bbls.....lb. .06½- .07½
Hydroxide, bbls., works.....lb. .15 - .18
Iodide, bots.....lb. 4.02 - 4.82
Monoxide (see Oxide).
Nitrate, bbls., c.l., works...lb. .09½- .11¼
l.c.l., works.....lb. .10 - .11¼
Oxide, dms., c.l., works.....lb. .11¼- .13
l.c.l., works.....lb. .14 - .15
grd., dms., l.c.l., works....lb. .15 - .17
Peroxide (see Dioxide).
Silicofluoride, bbls.....lb. .17 - .19
Stearate, ctns., 1 ton up.....lb. .31 - —
smaller lots.....lb. .32 - —
Sulphate, tech. (see Barytes, and Blanc fixe).
X-ray, bbls.....lb. .09¼- .10
kgs. .....lb. .12 - —
Barytes,[1] floated, bbls., c.l., St. Louis..ton. 27.00 - —
l.c.l., same basis.....ton. 26.65 - —
ex whse., N. Y.....ton. 30.00 - —
paper bags, c.l., St. Louis.ton. 25.25 - —
l.c.l., same basis.....ton. 26.35 - —
ex whse., N. Y.....ton. 34.00 - —
Southern, off-color, bxs., mines. ton. 17.50 - —
95.75%, bgs., mines.....ton. 18.00 - —
Ore, approx. 94% $BaSO_4$, bulk, mines..ton. 6.00 - —
Bauxite bulk, mines.....ton. 7.00 -10.00
Bay leaves (see Laurel leaves).
Barberry bark, bgs.....lb. .12 - .13
Belladonna leaves, bls.....lb. 1.25 - 1.30
Root, bls.....lb. 1.25 - 1.40
Bentonite, 200 mesh, bgs., works, ton. 11.00 - —
325 mesh, bgs., works....ton. 14.00 - —
Benzaldehyde, NF, dms.....lb. .70 - 1.10
tech., cbys., dms.....lb. .45 - .55
Benzene (see Benzol).
Benzidin base, bbls.....lb. .70 - —
Benzocaine, cns.....lb. 3.20 - 3.55
Benzol (benzene), pure, nitration and 90%, dms., works, gal. .20 - —
tanks, E. of Omaha, frt. alld..gal. .15 - —
W. Coast, Minnequa, Colo..gal. .15 - —
Benzophenone, dms.....lb. 1.15 - 1.20
Benzoyl chloride, cbys.....lb. .20½- .26
Peroxide, pure, gran., fib ctns, works..lb. 1.95 - —
Benzyl acetate, f.f.c., cns....lb. .60 - .75
dms. .....lb. .49½ - .55
Alcohol (see Alcohol, benzyl)
Benzoate, f.f.c., dms.....lb. 1.05 - 1.15
Chloride, tech., cbys., works, frt. equald..lb. .20 - —
refined, cbys.....lb. .21 -
Cinnamate, cns.....lb. 4.00 - 4.25
Formate, cns.....lb. 2.70 - 2.95
Propionate, bots.....lb. 1.85 - 2.05
Salicylate, bots.....lb. 1.80 - 1.85
Benzylidinacetone, bots.....lb. 2.35 - 2.70
Benzylisoeugenol, bots.....lb. 9.50 - —
Berberine bisulphate, cns.....lb. No stocks
Hydrochloride, bots.....lb. No stocks
Sulphate, cns.....lb. No stocks
Berberis root, bls.....lb. .30 - .35
Betanaphthol, resublimed, dms., works..lb. .58 - .60
tech., bbls., c.l., works....lb. .21 - —
l.c.l., works.....lb. .23 - —
Benzoate, fib. dms., works..lb. 1.75 - —
Salicylate, dms.....lb. 2.00 - —
Betanaphthylamine, tech., works, lb. .51 - —
Betapicoline, 90%, ret. dms., c.l., works..lb. 1.00 - —
l.c.l., works.....lb. 1.05 - —
95%, dms., works.....lb. 2.05 - —
98-99%, works.....lb. 2.20 - —
Betagammapicoline, dms., c.l., works..lb. .23½- —
l.c.l., works.....lb. .24½- —
Beth root, bls.....lb. .43 - .44
Bismuth chloride, bots.....lb. 3.00 - —
jars .....lb. 2.95 - —
Citrate, USP VIII, bots.....lb. 2.81 - 2.90
jars .....lb. 2.75 - —
Hydroxide, bots.....lb. 3.41 - 3.46
cns. .....lb. 3.25 - —
Metal, ton lots.....lb. 1.25 - —
Nitrate, cryst., bots.....lb. 1.41 - 1.49
cns. .....lb. 1.30 - —
Oxychloride, bots.....lb. 3.14 - 3.19
cns., dms., kgs.....lb. 3.10 - —
Subbenzoate, bots.....lb. 3.61 - —
fib. dms.....lb. 3.40 - —
Subcarbonate, USP, bbls., dms., lb. 1.50 - 1.60
bots., cns.....lb. 1.60 - 1.65
X-ray, 5-lb. bots.....lb. 2.70 - —
fib. dms.....lb. 2.75 - —
Subgallate, NF, bots., cns....lb. 1.49 - 1.55
fib. dms.....lb. 1.40 - 1.45
Subiodide, bots.....lb. 4.19 - 4.35
fib. dms.....lb. 4.13 - —
Subnitrate, USP, powd., bbls., dms..lb. 1.20 - 1.25
bots. .....lb. 1.29 - 1.33
Subsalicylate, USP, bbls., fib. dms..lb. 2.60 - —
5-lb cans.....lb. 2.54 - 2.58
Sulphocarbolate, bots.....lb. 3.71 - 3.74
fib. dms.....lb. 3.65 -
Bismuth-ammonia citrate, USP, powd., dms...lb. 3.40 -
cns. .....lb. 3.45 - 3.60
Black, acetylene, bgs., c.l., works..lb. .14 - —
l.c.l., works.....lb .18 - —
Bone 1A, bgs., bbls., c.l., frt. alld. E. lb. .17 - —
2, bgs, bbls., c.l., same basis lb. .12 - —
3, bgs, bbls., c.l., same basis lb. .11 - —
4, bgs., bbls., c.l., same basis lb. .08½- —
400A, bgs., bbls., c.l., same basis..lb. .08½- —
457, bgs., bbls., c.l., same basis..lb. 11½- —

Bone black l.c.l. prices are ½c. higher than c.l. Pacific coast, ex dock, or whse., prices are 1½c. higher.

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Black, carbon, channel, compressed, beads, bulk, c.l., works..lb. .05 - —
bgs., c.l., works.....lb. .056 - —
l.c.l., works.....lb. .06 - —
dlvd. or whse.....lb. .092 - —
uncompressed, regular, bgs., c.l., works..lb. .03625- —
bgs., ctns., l.c.l., dlvd. or whse..lb. .097 - —
Furnace, HMF, bgs., c.l., works..lb. .05 - —
ctns., l.c.l., whse.....lb. .07½- —
SRF, bgs., c.l., works...lb. .03½- —
ctns., l.c.l., whse.....lb. .08 - —
Thermatomic, bgs., c.l., works, La...lb. .04 - —
l.c.l., whse. Trenton, N. J. lb. 06½- —
Charcoal (see C).
Graphite (see G).
Iron oxide, magnetic, pure, bbls., l.c.l., works..lb. .06½- —
Lamp, 1, ctns., c.l., works..lb. .08½- —
l.c.l., works.....lb. .09 - —
2, ctns., c.l., works.....lb. .10 - —
l.c.l., works.....lb. .11 - —
2A, ctns., c.l., works.....lb. .13 - —
l.c.l., works.....lb. .13½- —
3, ctns., c.l., works.....lb. .14½- —
l.c.l., works.....lb. .15½- —
4, ctns., c.l., works.....lb. .16½- —
l.c.l., works.....lb. .17½- —
5, ctns., c.l., works.....lb. .20 - —
l.c.l., works.....lb. .26 - —
6, ctns., c.l., works.....lb. .26½- —
l.c.l., works.....lb. .27½- —
7, ctns., c.l., works.....lb. .37½- —
l.c.l., works.....lb. .38½- —
Mineral, vine type, bbls., l.c.l., works..lb. .04½- —
Vine A, bbls.....lb. .04½- .0
B, bbls.....lb. .03½- —
kegs.....lb. .06 - —
Black dyes (see Dyes).
Black haw root bark, bls.....lb. .54 - .6
Tree bark, bls.....lb. .40 - .4
Black Indian hemp root, bls..lb. .55 - .6
Blane fixe, dry, by-product, bgs., c.l., works..ton.60.00 - —
l.c.l., works.....ton.67.00 - —
direct process, bgs., c.l., works..ton.70.00 - —
bbls., c.l., works....ton.75.00 - —
l.c.l., works.....ton.85.00 - —
pulp, 65%, bbls., c.l., works. ton.40.00 - —
l.c.l., same basis....ton.44.50 - —
Bleaching powder,[2] dms., c.l., works..100 lbs. 2.80 - 3.10
l.c.l., works.....100 lbs. 3.75 - 3.90
Blood,[1,7] dried, 16-16½% ammon., bgs..unit-ton. 5.75 - —
high-grade, unground, 16-17% ammon., bulk, Chicago. unit-ton. 5.50 - —
soluble, bgs., c.l., Chicago...lb. .13 - —
l.c.l., Chicago.....lb. .15 - .20
Bloodroot, bls.....lb. .60 - .65
Blue,[1] alkali, dry, bbls., dlvd. N. of Tenn. and N.C., E. of Miss. River, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis. lb. 1.75 - —
Toner, bbls., same basis....lb. .85 - .90
Celestial, bbls., same basis...lb. .10 - .12
Chinese, bbls., same basis..lb. .56 - —
Cobalt, genuine, bbls., same basis..lb. 4.90 - —
Imitation (see Blue, ultramarine).
Copper phthalocyanin, full strength, bbls., same basis. lb. 3.50 - 3.75
80%, bbls., same basis...lb. 3.00 - —
green shade, bbls., same basis. lb. 4.50 - 4.80
Iron (see Blue, Chinese, Milori, Potash Prussian, and Soda).
Milori, bbls., same basis....lb. .86 - —
Molybdated, Victoria, bbls., same basis..lb. 3.15 - —
Peacock, fugitive, 100% color strength, same basis..lb. .52 - —
permanent toner, green shade, molybdic, bbls., same basis lb. 3.50 - —
tungstic.....lb. 4.00 - —
Potash, CP, bbls., same basis. lb. .42 - —
Prussian, bbls., same basis.lb. .36 - —
soluble, bbls., same basis..lb. .35 - —
Soda, CP, bronze, bbls., same basis..lb .36 - —
Ultramarine, cobalt type, dry or pulp, bbls., same basis lb. .23 - .27
jobbing type, dry, bbls., same basis..lb. .12 - .15
regular types, dry or pulp, bbls., same basis..lb. .17 - .27
Victoria, toner, molybdic, bbls. lb. 3.15 - —
tungstic, bbls.....lb. 3.30 - —
ink toner, bbls., same basis. lb. 1.83 - —
synthetic vehicle, bbls., same basis lb. 1.93 - —
Violet, toner, molybdic, bbls., same basis..lb. 1.24 - —
tungstic, kgs., same basis..lb. 2.10 - —
Blue dry colors, dlvd prices ½c. higher Ala., Fla., Ga., La. (Shreveport, 1½c.); Miss., N. C., S. C., Tenn., Tex. (El Paso, 2c.): Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph: 1.6c. higher, Pac. Coast; Denver, Pueblo, Salt Lake City Wichita, frt. equalized with Chicago.
Blue dyes are listed under Dyes
Blue mass, NF, cns., tube....lb. 1.58 - 1.75
powd., bots., cns., dms.....lb. 1.61 - 1.75
Blueflag root, bls.....lb. .60 - .65
Bluestone (see Copper sulphate).
Blue vitriol (see Copper sulphate)
Bone,[7] raw, bulk, Chicago...ton 57.00 -65.00
junk, bulk, same basis...ton.35.00 - —
Meal, raw, 4½% ammon., 50% phos., bgs., E. works..ton.37.50 - —
Chicago, works.....ton 39.50 - —
steamed, feeding grade, 1% ammon., 60% phos., bgs., E. works..ton.48.50 - —
Chicago, works.....ton.50.00 - —
fertilizer grade, 3% ammon., 50% phos., bgs., E. works ton.38.50 - —
Chicago, works.....ton.36.00 - —
Phosphate, defluorinated (see D).
Precipitated (see Calcium phosphate tribasic precip.).
Bonset leaves, bls.....lb. .16 - .1
Borage flowers, bls.....lb. .60 - .62
Borax, tech., 99½% gran., bulk, c.l., frt. alld..ton.41.50 - —
bgs., c.l., frt. alld....ton.45.00 - —
ton lots, ex whse.....ton.50.00 - —
less ton lots, ex whse.ton.61.00 - —
bbls., c.l., frt. alld.....ton.55.00 - —
ton lots, ex whse.....ton.60.00 - —
less ton lots, ex whse.ton 71.00 - —

Borax, tech., 99½%, powd., bgs., c.l., frt. alld..ton.60.00 - —
ton lots, ex whse.....ton.61.00 - —
less ton lots, ex whse.ton.66.00 - —
bbls., c.l., frt. allo.....ton.60.00 - —
ton lots, ex whse.....ton.71.00 - —
less ton lots, ex whse.ton.76.00 - —
USP, $15 per ton higher.
Bordeaux mixt., dms., c.l., whse., works, frt. allo..lb. .11 - —
l.c.l., same basis.....lb .11½- —
Bornyl thiocyanoacetate (see Isobornyl thiocyanoacetate).
Brimstone (see Sulphur).
Bromine, purified, cs., c.l., frt. allo. E. of Rockies..lb. .21 - —
1,000 lbs., frt. allo. E. of Rockies..lb. .23 - —
single pkgs., same basis..lb. .28 - —
Brazilwood extract (see Hypernic).
Bromoform, USP, bots.....lb. 1.50 - —
cbys.....lb. 1.42 - —
Bromstyrol.....lb. 5.20 - 6.35
Bronze powder, aluminum (see Al)
Gold, litho., cns., dms., works. lb. .60 - .6
moulding, cns., dms., same basis lb .80 - 1.00
printing ink, cns., dms., same basis lb. .85 - 1.20
radiator, cns., dms., same basis..lb. .45 - .80
Broomtop, bls.....lb. .21 - .24
Brown, iron-oxide, pure, precip., cks., works..lb. .12 - —
Metallic, bbls., c.l., works. lb. 02½- —
Sap, crystals, works.....lb. .12 - —
powdered.....lb. .13 - —
Sienna, burnt, American, bbls., works..lb. .06½- .08
pap. bgs., c.l., same basis lb. .0225- —
Italian type, bbls., works. lb. .08¾- .10

Brown, Sienna, raw, American, bbls., works..lb. .04 - .10
Italian type, bbls., works. lb. .08 - .1
Umber, burnt, American, bbls., works..lb. .03½- —
Italian-type, bbls., works.lb. .04¾- —
Turkey-type, bbls., c.l., Boston, Bethlehem, Easton, Pa.; N. Y..lb. .04¾- —
St. Louis, Chicago, Indianapolis, New Orleans..lb. .05½- —
Minneapolis.....lb. .0535- —
Pittsburgh.....lb. .06 - —
ex car, Los Angeles. lb. .05¾- —
Portland, San Francisco, Seattle..lb. .05½- —
ex whse, Los Angeles. lb. .05¾- —
Portland, San Francisco, Seattle..lb. .05¾- —
Vandyke, reg., bbls., works..lb. .09 - —
special, bbls., works.....lb. .12 - —
Brucine, cns., 100 ozs.....oz. .35 - —
Sulphate, cns., 100 ozs.....oz. .30 - —
Bryonia root, bls.....lb. .53 - .6
Buchu leaves, bls.....lb. .80 - .85
Buckthorn bark, bls.....lb. .45 - .46
Berries, bgs.....lb. .60 - —
Burdock root, bls.....lb. .35 - .5
Burgundy pitch, dom., dms...lb. .08 - —
Butane,[1] indust., tanks, (group 3. gal. .03½ -
Butyl acetate, normal,[1] ferment, Ill., Ind., prod., dms., c.l., frt. allo. E. of Miss. R. lb. .2035- —
l.c.l., same basis.....lb. .2085- —
tanks, same basis.....lb. .1935- —
tankwagon, same basis.lb. .1985- —
other production, dms., c.l., same basis..lb. .1900- —
l.c.l., same basis....lb. .1950- —
tanks, same basis.....lb. .1800- —

Butyl acetate, synthetic, dms., c.l., same basis..lb. .11½- —
l.c.l., same basis.....lb. .12½- —
tanks, same basis.....lb. .10¾- —
secondary,[1] dms., c.l., dlvd. E. of Miss. R..lb. .09½- —
l.c.l., same basis.....lb. .10 - —
tanks, same basis.....lb. .08½- —
Normal butyl acetate, W. of Miss. R., ½ per lb. higher.
Aldehyde, dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .16½- —
tanks, works.....lb. .14½- —
Ether (see Ether, butyl).
Lactate, dms., works.....lb. .26½- —
Laurate, dms., works.....lb. .42 - —
Myristate, dms., works.....lb. .41 - —
Oleate, ref., dms., l.c.l., works. lb. .35 - —
tech., dms., c.l., works.....lb. .24 - —
l.c.l., works.....lb. .24½- .25
Phenylacetate, dms.....lb. 2.00 - 2.25
Phthalate (see Dibutyl phthalate).
Propionate, dms., dlvd.....lb. .16½- .17
tanks, dlvd.....lb. .15½- —
Stearate, dms.....lb. .31½- —
Butyric ether, bots.....gal. 6.50 - 6.90
cns., works.....lb. .65 - .70
dms., works.....lb. .60 - —

C

Cadmium bromide, bots.....lb. 1.84 - 1.9
jars.....lb. 1.65 - 1.70
Iodide, bots.....lb. 4.25 - —
cns.....lb. 4.00 - —
Lithopone (see Yellow).
Metal,[1,8] ingots or sticks, dlvd. lb. .90 - —
pat. shapes, cs., dlvd.....lb. .95 - —
Selenide (see Red).
Sulphide (see Yellow)

Spot Deliveries

HEAVY CALCINED MAGNESIA White
CITRIC ACID
CALCIUM CITRATE
ROCHELLE SALTS
RED LEAD
CAUSTIC POTASH
SODIUM BICHROMATE
MAGNESIUM METAL POWDER High Purity
COPPER SULPHATE
OXALIC ACID
SODIUM SULPHATE High Purity
ZINC OXIDE American & French Process
LITHARGE
CHROMIC ACID

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Caffeine,[1] dms., 100 lbs. or more, lb. 2.80 - 2.85; smaller lots, lb. 2.95 - 3.21; anhydrous, dms., 100 lbs. or more, lb. 3.00 - 3.06; smaller lots, lb. 3.15 - 3.42; Citrated, dms., 100 lbs. or more, lb. 1.95 - —; smaller lots, lb. 2.05 - 2.21; Hydrobromide, bots., lb. 5.29 - 6.37

Calabar beans, bgs., futures, lb. .60 - —

Calamus root, natural, dom., bls. lb. .50 - .55

Calciferol, in corn oil, dms., 10,000 units or more, works, unit. .10 - —; 1,000 to 10,000 units, works, unit. .11 - —; less than 1,000 units, works, unit. .12 - —

Calcium acetate, bgs., dlvd., 100 lbs. 3.00 - 4.00

Arsenate, bgs., c.l., whse., wks., frt. alld., lb. .07½- .08; l.c.l., same basis, lb. .08 - .08½

Bromide, N.F., jars, lb. .65 - .70

Carbide,[1] dms., c.l., works, ton. 80.00 - —; dlvd., ton. 87.00 -90.00

Carbonate (see Chalk and Whiting).

Chloride, cryst., purified, bbls., jars, lb. .28 - .30; flake, 77-80%, paper bgs., c.l., dlvd., ton. 18.50 -35.00; l.c.l., dlvd., ton. 28.50 -45.00; liquor, basis 40%, tanks, works, ton. 7.50 - —; solid, 73-75%, dms., c.l., dlvd., ton. 18.00 -34.50; l.c.l., dlvd., ton. 20.00 -44.50

Calcium chloride prices vary according to zone; minimum prices are for spot delivery. C.l. prices for flake in burlap paper-lined bags, $2.50 per ton over paper bags; drums $3.50 per ton over paper bags.

Calcium cyanide, dms., delivered E. of Rockies, lb. .25 - .40

Gluconate, USP, gran., bbls., lb. .82 - —; dms., lb. .87 - .89; ctns., lb. .70 - —; powd., 2c. per lb. lower.

Glutamate, kgs., lb. 1.50 - —

Glycerophosphate, fiber dms., 1,000-lb. lots, lb. 1.25 - —; smaller lots, lb. 1.40 - 1.60

Hypochlorite, dms., dlvd. E. of Rockies, lb. .22 - .26½; cans, in cases, same basis, lb. .3778- .4223

Iodide, bots., jars, lb. 4.04 - 4.19

Lactate, edible, dms., lb. .21 - —; USP, bbls., lb. .35 - .37

Laurate, bbls., lb. .28 - .30

Mandelate, USP, dense, fluffy, dms., lb. 2.65 - 2.80

Naphthenate, 4% Ca, 80-gal. dms., lb. .22½- —

Pantothenate, dex., 100-gram bots., per gram. .18 - —

Phosphate, feeding grade, bgs., works, ton. 75.00 - —; food grade, bbls., 10 M or over, works, lb. .07 - .07½; less than 10, works, lb. .09 - .10; medicinal, dibasic, bgs., 100 lbs. 11.40 -16.00; monobasic, cryst., bgs., c.l., works, frt. equald., lb. .05¾- —; l.c.l., frt. equald., lb. .06 - .06½; tribasic, bbls., c.l., works, lb. .0625- —; bgs., l.c.l., works, lb. .0845- .0884

Resinate, precip., 5.3% Ca, 100-lb. dms., lb. .15½- —

Silicate, hydrated, c.l., bgs., works, lb. .05½- —; l.c.l., works, lb. .09 - —

Stearate, precip., ctns., c.l., works, lb. .25 - —; l.c.l., works, lb. .26 - .28

Sulphate (see Gypsum).

Calcium sulphide, 70%, bgs., c.l., works, ton. 45.00 - —; 80%, bgs., c.l., works, ton. 50.00 - —; luminous, tins, works, lb. 1.00 - —

Sulphocarbolate, bbls., lb. .49 - .50

Tallate, 3¾-4¼ Ca, 50-gal. dms., lb. .12¼- .13½

Calcium-strontium sulphide, phosphorescent, dms., works, lb. 1.60 - 1.80; fine particle size, works, lb. 1.50 - 1.75

Calendula flowers, bls., lb. 2.60 - 2.65

Calomel, bbls., dms., lb. 2.44 - 2.45

Camphor, natural, lb. No stocks

Camphor, synth., tech., bbls., contract, 2,000 lbs. or more, works, lb. .42 - —; 10 bbls. (1,500 lbs.), lb. .44½- —; 5 to 9 bbls., lb. .45 - —; 1 to 4 bbls., lb. .46 - —; smaller lots, lb. .48 - .55

Camphor, USP, gran., powd., bbls., 2,000-lb. lots, lb. .69 - —; 1,000-lb. lots, lb. .70 - —; smaller lots, lb. .71 - —; tablets, 2,000-lb. lots, lb. .92 - —; 1,000-lb. lots, lb. .93 - —; smaller lots, lb. .94 - —

Camphor, monobromated, dms., lb. 3.20 - —

Canada balsam (see Fir balsam).

Cantharides, Russian, bgs., lb. 9.00 - —

Capsicum (see Pepper, red).

Capsium oleoresin, USP VII, ctns., lb. 4.50 - 4.65

Caramel coloring, bbls., gal. .70 - 1.10

Caraway seed,[1] California, Dutch type, lb. No stocks; Canadian, bgs., lb. .38 - .39; Danish, bgs., lb. .35- .36; Dutch, bgs., lb. .36½- .37; futures, bgs., lb. .29 - .30

Morocco, dewhiskered, futures, bgs., lb. .37 - .38; natural, bgs., futures, lb. .33 - .34

Spanish, dewhiskered, bgs., lb. No stocks

Syrian, dewhiskered, bgs., lb. No stocks

Carbasole, 95%, dms., ton lots, works, lb. .70 - —; smaller lots, works, lb. .80 - —

88%, dms., ton lots, works, lb. .75 - —; smaller lots, works, lb. .85 - —

Carbinol, butyl, norm. dms., l.c.l., works, lb. .27 - —; secondary, dms., l.c.l., works, lb. .09 - —

Isobutyl, dms., c.l., works, lb. .22½- —; l.c.l., works, lb. .23½- —; tanks, works, lb. .21½- —

Methylisobutyl, dms., c.l., nearest delivery point buyer's works, lb. .11¾- —; l.c.l., same basis, lb. .12¾- —; tanks, same basis, lb. .10¾- —

Carbon bisulphide, 55-gal. dms., c.l., frt. all. E. of Miss R., N. of Ohio R., lb. .06 - —; l.c.l., same basis, lb. .06¾- —

5-gal. dms., c.l., same basis, lb. .07 - .07½; l.c.l., same basis, lb. .08 - .08½

Dioxide, cyls., lb. .06 - .08

Tetrachloride,[1] c.p., dms., c.l., gal. .96 - —; l.c.l., gal. 1.01 - —; tech., Zone 1, 52½-gal. dms., c.l., frt. alld., gal. .69 - —; l.c.l., frt. alld., gal. .76 - —; 5 or 10-gal. dms., c.l., frt. alld., gal. .93 - —; l.c.l., frt. alld., gal. 1.03 - —; Zone 2, 52½-gal. dms., c.l., frt. alld., gal. .76 - —; l.c.l., frt. alld., gal. .83 - —; 5 or 10 gal. dms., c.l., frt. alld., gal. 1.00 - —; l.c.l., frt. alld., gal. 1.10 - —; Zone 3, 52½-gal. dms., c.l., frt. alld., gal. .90 - —; l.c.l., frt. alld., gal. .96 - —; 5 or 10-gal. dms., c.l., frt. alld., gal. 1.12 - —; l.c.l., frt. alld., gal. 1.22 - —; Zone 4, 52½-gal. dms., c.l. gal. .83 - —; 5 or 10-gal. dms., c.l., gal. 1.03 - —; l.c.l., gal. .90 - —

USP, cbys., lb. .17 - .19

Carbon tetrachloride prices are frt. alld. with the exception of Zone 4, where prices are f.o.b. cars, L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Sales zones are:—1, Conn., Del., Ill., Ind., Ia., Me., Mass., Md., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., O, Pa., R. I., Tenn., Va., W. Va., Wis., and river cities of Burlington, Ia., and Kansas City, Kans.; 2, Ala., Ark., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D.; 3, Colo., N. Mex., Tex., and Montana points E. of Billings; 4, Ariz., Cal., Idaho, Nev., Ore., Utah, Wash. and Montana points W. of Billings.

Cardamom,[1] bleached, bold, cs., lb. 1.35 - 1.40; medium, cs., lb. 1.30 - 1.35; decorticated, Guatemala, cs., lb. 1.10 - 1.12; India, cs., lb. 1.15 - 1.20; green, Allsopey, bgs., lb. .90 - .93

Carotene, cryst., 1,350,000 A units per gm., tins, works, 1,000,000 units. .50 - —; research grade (alpha, 10%; beta, 50%), amps, 100 grams, dlvd., gram. 2.85 - —; 50 grams, dlvd., gram. 2.90 - —; in vegetable oil, 250,000 USP units per gm., bots., works, lb. 37.50 - —; 50,000 USP units per gm., bots., works, lb. 8.42 - —; dms., works, lb. 7.65 - —; 8,300 A units per gm., tins, works, 1,000,000 units. .55 - —; dms., works, 1,000,000 units. .50 - —; 5,300 USP units per gm., dms., works, lb. .68 - .71

Carvol, bots., lb. 16.00 -20.00

Cascara sagrada bark, bulk, lb. .43 - .45

Case-hardening mixture, 30% gran., dms., l.c.l., lb. .09¾- —; slabs, dms., l.c.l., lb. .08¾- —

Casein,[1] dom., acid-precip., bgs., 100 or more, ship't point, lb. .24 - —; 20 to 99, same basis, lb. .24¼- —; less than 20, same basis, lb. .24¾- —; rennet-precip., bgs., 100 or more, same basis, lb. .25½- —; 20 to 99, same basis, lb. .25¾- —; less than 20, lb. .26¼- —; imp., acid-precip., ground, bgs., 100 bgs. or more, lb. .24 - —; rennet-precip., unground, bgs., 100 bgs. or more, lb. .26½- .26¾

Cassia,[1] China buds, bgs., futures, lb. .46 - .47; rolls, selected, cs., futures, lb. .46 - .47; extra select, broken, bbls., lb. .41½- .42

Cassia fistula, bskts., lb. .26 - .28

Castor bean,[1,7] bgs., c.i.f. first arrival point, U.S., long ton. 118.00 - —

Oil (see Oil, castor).

Pomace,[1] bgs., c.l., works, unit-ton. 3.15 - 4.75

Castoreum, nat., cns., lb. 12.00 -13.00; synthetic, cns., lb. 21.00 - —

Catechol, CP, cryst., works, fib. dms., frt. alld., lb. 1.90 - —; resublimed, works, frt. alld., dms., lb. 3.25 - —

Catnep, bls., lb. .50 - .55

Celery seed,[1] French, bgs., lb. 1.00 Nom.; Indian, bgs., lb. .25¼- .26¾

Celluloid scrap (see Pyroxylin scrap).

Cellulose acetate, flake, ctns., works, frt. alld. on 100 lbs. or more, lb. .30 - —; granules, ctns., same basis, lb. .32 - —

Acetate-butyrate, flake, high (36.5%) butyryl content, 50-lb. ctns., 5,000 lbs. and up, frt. alld., lb. .45 - —; 1,000-4,900 lbs., frt. alld., lb. .46 - —; 100-900 lbs., frt. alld., lb. .47 - —; smaller pkgs. works, lb. .48 - —; medium (15.5 or 17.0%), 50 lb. ctns., 5,000 lbs. and up, frt. alld., lb. .43 - —; 1,000-4,900 lbs., frt. alld., lb. .44 - —; 100-900 lbs., frt. alld., lb. .45 - —; smaller pkgs., works, lb. .46 - —

Granules are 5c. per lb. higher, all quantities.

Acetate-propionate, flake, high (31.5%) propionyl content), 50-lb. ctn., 5,000 lbs. and up, frt. alld., lb. .45 - —; 1,000-4,900 lbs., frt alld., lb. .46 - —; 100-900 lbs., frt. alld., lb. .47 - —; smaller pkgs., works, lb. .48 - —

Granules are 5c. per lb. higher, all quantities.

Triacetate, flake, ctns., works, frt. alld. on 100 lbs. or more, lb. .30 - —

Cerium hydrate, dms., works, lb. .09 - —

Oxalate, USP, bbls., works, lb. .35 - —; kgs., works, lb. .37 - —

Heavy-duty ICC Drums and Bilge Barrels

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Light-gage Shippers, 55, 30, and 15 gal. capacity and 100 lb. Grease Drums

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Lightweight Drums for Chemical and Powdered Materials

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Painted Various Colors or Decorated

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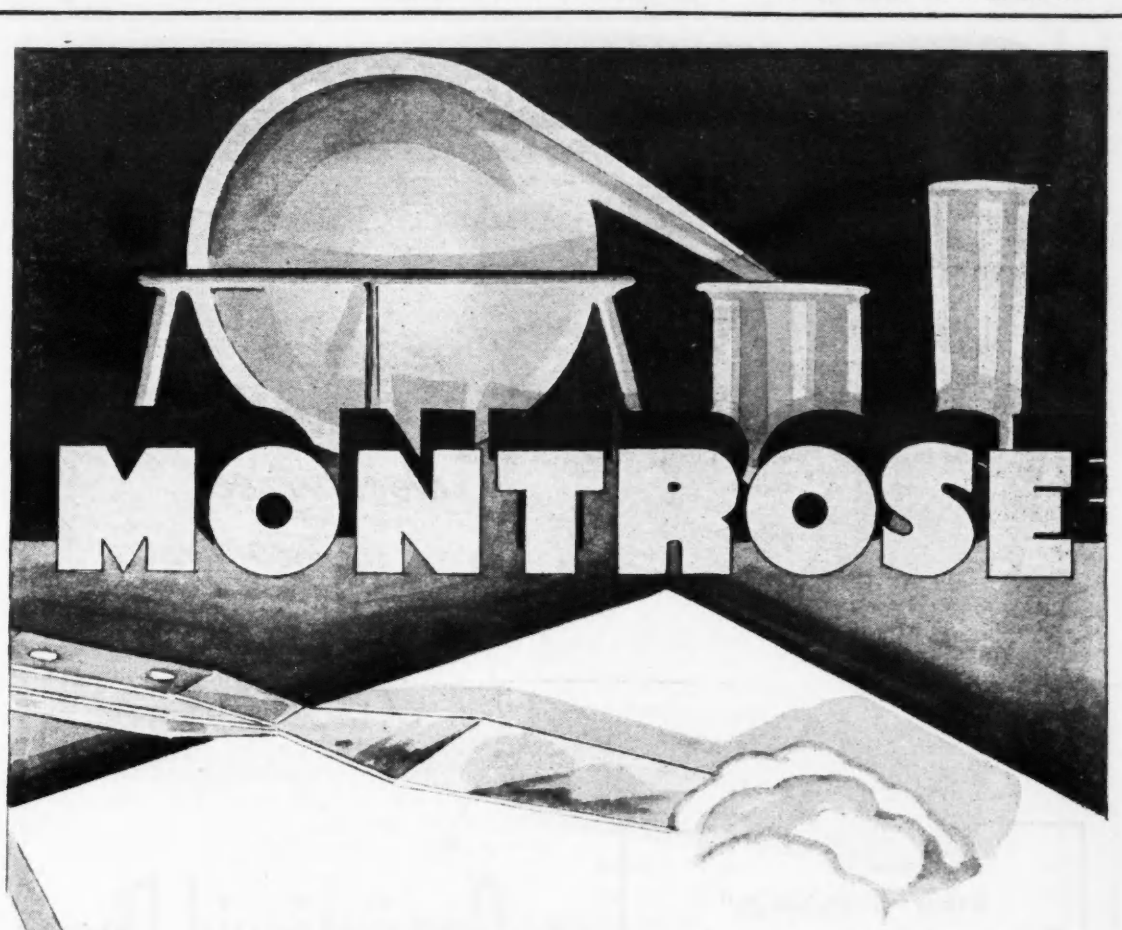
J&L STEEL

Cerium oxide, optical grade, kgs., 100-lb. lots, works..lb. 1.50 - —
bgs., smaller lots, works..lb. 2.00 - —
Chalk, precipitated, cosmetic, dentifrice, and drug, bgs., c.l., works..lb. .07½- —
paint and other industries, bgs., c.l., works..ton.40.00 - —
Chalk, precipitated, papermakers, bgs., c.l., works..ton.32.50 - —
rubbermakers, bgs., c.l., works ton.30.00 - —
Chamomile, Hungarian type, cs. lb. .65 - .70
Roman, bls., futures.....lb. 1.75 - 1.85
Charcoal, hardwood, lump, bulk, c.l., works..ton.35.00 -38.50
bur. bgs., included, c.l., works..ton.38.00 -46.80
briquets, bulk, c.l., works... ton.44.30 -49.80
bgs., c.l., works.....ton.49.50 -51.80
granular, all grades, bgs., works..ton.46.80 -49.80
screenings, bgs., works..ton.31.20 -33.15
Pinewood,[1] lump, bgs., c.l., Southern shipping points. ton.20.00 - —
granular, powd., bgs., c.l., works, South..ton.30.20 - —
l.c.l., works.....ton.41.00 - —
Willow, powd., bbls.....lb. .06 - .07
Chestnut extract,[2-4] standard 25% tannin, bbls., c.l., works..100 lbs. 3.22 - 3.55
l.c.l., works.....100 lbs. 3.47 - 3.80
tanks, works.....100 lbs. 2.62 - 2.96
powdered, 65% tannin, bags extra, c.l., works.100 lbs. 7.46 - 8.32
l.c.l., works.....100 lbs. 8.21 - 9.07
Chillies (see Pepper, red).
China clay,[1] dom., dry-grd., air-float, 99.75%, 200 mesh, bgs., c.l., works..ton. 9.50 - —
l.c.l., works....ton.16.00 - —
bulk, c.l., works.ton. 7.60 - —
200 mesh, bgs., c.l., works..ton. 8.50 - —
l.c.l., works.....ton. 9.50 -15.56
wet-grd., silk-bolt, 99½%, 325 mesh, bulk, c.l., works..ton. 9.50 - —
paper bgs., c.l., works.ton.12.50 - —
import, white, lump, bulk, c.l., ex dock Balto., Boston, Norfolk, Phila..ton.19.00 -24.00
powd., cks.,l .c.l., ex whse.ton.41.00 -
Chloral hydrate, jars.....lb. .93 - .98
dms. .....lb. .90 - .94
Chlorinated rubber,[6] standard, ctns., 100 lbs. up, works.lb. .32 - —
smaller lots, works.....lb. .35 - —
1-lb. bots., ex whse.....lb. 1.25 - —
Chlorine, liquid, cyls., c.l....lb. .05¼- —
contracts .....lb. .05¼- —
l.c.l. .....lb. .07¼- —
tanks, single units, works, frt. equald..100 lbs. 1.75 - —
multiple units, 3 or over, works, frt. equald..100 lbs. 2.00 - —
2 wks., frt. equald.100 lbs. 2.50 - —
1 wks., frt. equald.100 lbs. 3.00 - —
Chloroform, tech., dms.....lb. .20 - .23
USP, dms.....lb. .30 - .33
Chloropicrin, com'l, 100-lb. cyl.. 100-lb. cyls., same basis...lb. .32 - —
25-lb. cyls., ex whse.....lb. 1.00 - —
1-lb. bots., ex whse.....lb. 1.25 - —
Choline chloride, 5lb. dms.....lb. 3.00 - 3.10
Dihydrogen citrate, 5lb. dms.lb. 3.00 - 3.10
Chrome acetate, powd., 32% Cr., bbls., works..lb. .32 - .34
ton lots, works.....lb. .30 - .32
solut., 5%, bbls., cs.....lb. .07½- —
7½%, bbls., cs.....lb. .06½- —
Fluoride, bbls., wks.....lb. .34 - .37
Cake, bulk, c.l., works.....ton.16.00 - —
Oxide (see Green, chrome oxide).
Trioxide (see Acid, chromic).
Yellow (see Yellow, chrome).
Chrysarobin, bots.....lb. 6.02 - 6.60
Cinchona bark,[6] red, quill, USP, 10 in., cns..lb. 1.20 Nom.
Cinchonidine,[6] small, cryst., cns., 100 ozs..oz. No prices
Sulphate, NF, cns., 100 ozs..oz. No prices
Cinchonine[6] small, cryst., cns., 100 ozs..oz. No prices
large, cryst., cns., 100 ozs..oz. No prices
Sulphate, NF, cns., 100 ozs..oz. No prices
Cinchophen, NF, heavy, dms..lb. 2.70 - 2.80
standard, dms.....lb. 2.50 - 2.60
Cinnamic alcohol (see Alcohol, cinnamic).
Aldehyde, cbys., cns., dms...lb. .85 - 1.00
Cinnamon,[1] Ceylon, O, bls., futures..lb. .5700- —
OO, bls., futures.....lb. .5820- —
OOO, bls., futures.....lb. .5900- —
OOOO, bls., futures.....lb. .5990- —
No. 1, bls., futures.....lb. .5625- —
2, bls., futures.....lb. .5635- —
3, bls., futures.....lb. .5535- —
4, bls., futures.....lb. .5385- —
Citral, bots., cns.....lb. 6.50 - 7.50
Citrine, ointment, jars.....lb. .95 - 1.15
Citronellal, bots., dms.....lb. No prices
Citronellol, bots., dms.....lb. No prices
Clove,[3] Madagascar, bls.....lb. .16¾- .17¼
futures, bls.....lb. .16 - .16½
Zanzibar, bls.....lb. .17¼- .17½
futures, bls.....lb. .17¼- .17¾
Clover tops, red, dom., bgs....lb. .50 - .55
imported, bgs.....lb. No stocks
Coaltar, coal-gas, crude, 50 gal., bbls., c.l., works..bbl. 8.25 - —
l.c.l., works.....bbl. 8.75 - —
tanks, works.....gal. .07½- .08¼
refd., 50-gal., bbls., c.l. wks. bbl. 8.75 - —
l.c.l., works.....bbl. 9.25 - —
tanks, works.....gal. .08½- —
water-gas, crude, 53 gal., dms., c.l., works..bbl. 8.25 - —
l.c.l., works.....dm. 8.75 - —
refd., 55-gal. dms., c.l., wks. dm. 8.75 - —
l.c.l., works.....dm. 9.25 - —
Cobalt acetate, bbls., kgs., dlvd.. lb. 83¾- —
feed grade, 49.5% Co, kgs..lb. 1.25 - —
Carbonate, powd., bgs., works.. lb. 1.53 - —
feed grade, 23% Co, kgs....lb. 1.65 - —
Chloride, kgs., works.....lb. .67½- —
feed grade, 24.5% Co, kgs..lb. 1.25 - —
Hydrate, bbls.....lb. 2.04 - —
feed grade, 62% Co, kgs...lb. 2.25 - —
Linoleate, paste, 5%, dms...lb. .32 - .35
solid, 8½%, dms.....lb. .44 - —
Nitrate, feed grade, 20.4% Co, kgs..lb. 1.25 - —
Oleate, bbls.....lb. .44 Nom.
Oxide,[1] black, kgs.....lb. 1.84 - —
Phosphate, feed grade, 34% Co, kgs..lb. 1.75 - —
Resinate, precip., 7.5% Co, 100-lb. dms..lb. .53½- —
Soyate, 8%-8.5% Co, 50-gal. dms..lb. .42 - .44
Sulphate,[6] dms.....lb. .65 - —
feed grade, 21% Co, kgs...lb 1.60 - —
Cobalt salts, feed grade, quotations are f.o.b. Philadelphia, Cleveland or New York
Cobalt-ammonium sulphate, 14% Co, kgs lb. .75 - —
Cocaine hydrochloride, 100-oz. lots, cns..oz. 9.75 - —
Cochineal, gray, bgs.....lb. .46 - .47
silver, Teneriffe, bgs.....lb. .47 - .49

Cocoa butter,[1,7] bulk, ship. pt.lb. .35 - —
Cauliflower bush, bgs.....lb. .60 - .61
Codeine, cns., 100 ozs.....oz.11.70 - —
Hydrochloride, cns., 100 ozs.oz.10.50 - —
Phosphate, cns., 100 ozs.....oz. 9.00 - —
Sulphate, cns., 100 ozs.....oz. 9.50 - —
Codliver oil (see Oil, codliver).
Cohosh root, black, bls.....lb. .22 - .25
blue, bls. .....lb. .24 - .26
Colchicine, bots., cns.....oz. No stocks
Colchicum seed.....lb. No stocks
Collodion, USP, dms.....lb. .19½- .20½
cns. .....lb. .22 - .23½
Flexible, USP, dms.....lb. .31 - .32
cns. .....lb. .36 - .31
Colocynth pulp, bls.....lb. .52 - .58
Colombo root, bls.....lb. .12 - .14
Coltsfoot leaves, bgs.....lb. .70 - .72
Condurango bark, bgs.....lb. .17 - .18
Copaiba balsam, Para, cns....lb. No stocks
S. A., USP, cns.....lb. .95 - 1.00
Copper acetate, cupric, bbls., works..lb. .25½- —
smaller containers, wks..lb. .27 - —
Carbonate, 52-54%, bbls.....lb. .19½- .20½
Chloride, anhyd., bbls.....lb. .32½- .33
crystals, bbls.....lb. .14½- .17
Cyanide, tech., bbls.....lb. .34 - .38
Iodide, bots.....lb. 5.15 - 5.15
Metal,[1] electrolytic.....lb. .12 - .12½
Naphthenate, 6%-8% Cu, 50-gal. dms..lb. .16 - .17
Nitrate, tech., cryst., bbls..lb. .19½- .20½
Oleate, precip., bbls.....lb. .32½- .33½
Oxide, black, bbls., works...lb. .19 - .20
lb. .19 - .20
red, com'l, bbls., works....lb. .21 - .24½
Oxychloride-sulphate,[6] bgs....lb. .17 - .20
Resinate, precip., 8.5% Cu, 125-lb. dms..lb. .15½- .16
Sulphate,[1] 99%, cryst., bgs., c.l., works..100 lbs. 5.00 - —
l.c.l., 700 to 36,000 lbs.. 100 lbs. 5.15 - 5.50

Copper sulphate, monohydrated, bgs., in dms., 36,000-lb. lots, dlvd..100 lbs.10.20 - —
smaller lots, dlvd..100 lbs.10.05 - —
dms., c.l., dlvd.....100 lbs. 9.95 - 9.90
l.c.l., dlvd.....100 lbs. 9.95 -10.20
Copperas, cryst., gran., bgs., c.l., works..ton.17.00 - —
l.c.l., works.....100 lbs. 1.85 - 2.00
bbls., c.l., works.....ton.20.00 - —
bulk, c.l., works.....ton.14.00 - —
Copra,[7] Coast, ship't.....lb. No prices
Coriander[1] seed, Argentine, bgs. lb. .07 - .08
Indian, bgs.....lb. No stocks
Morocco, bgs. .....lb. .08¼- .08½
Peru, bgs.....lb. .08 - .08½
So. American, bgs.....lb .10 - .10½
Corn silk, bls.....lb. .45 - .46
Corn sugar, tanners, shipped, bgs., c.l., dlvd..100 lbs. 5.20 - —
slabs, bbls., c.l., dlvd.... 100 lbs. 5.25 - —
Syrup, 42°, bbls., c.l., dlvd.. 100 lbs. 4.23 - —
43°, bbls., c.l., dlvd..100 lbs. 4.27 - —
Corrosive sublimate,[3] cryst., cns., 50 lbs. or more..lb. 2.07 - —
gran., powd., dms., 50 lbs. or more..lb. 1.92 - —
Cottonroot bark, bls.....lb. .35 - .40
Cottonseed hull ash, 33-36% pot-ash, bgs., dlvd..unit-ton. 1.30 - —
Meal,[1,7] 41% protein, bulk, Memphis, c.l..ton.45.00 -49.75
Coumarin,[1] cns., 5 lbs. or more.. lb. 2.75 - —
smaller lots.....lb. 2.90 - 3.10
Cramp bark, NF, bls.....lb. .80 - .91
Cream of tartar, dom., USP, gran. or powd., bbls., 5,000 lbs. one ship't..lb. .51½- —
smaller lots, bbls., kgs., lb. .52 - .53½
imported, bls.....lb. .50 - .55

Creosote carbonate, bots., cbys., lb. 2.10 - 2.30
Coaltar (see Cresol).
Oil,[3] coaltar, crude, tanks, works..gal. .15¼- —
refined, dms., c.l., works, gal. .247 - .252
l.c.l., same basis....gal. .30 - .35
tanks, same basis....gal. .13 - .13½
solution, tanks, works....gal. .141 - —
Wood, beech, bots., cbys....lb. .85 - 1.04
Hardwood, N.F., bots., cbys lb. .60 - .77
Pine, dms.....gal. .31 - .32
Cresol,[2,3] special resin grades, dms., c.l., works, frt. equald., lb. .09½- .10½
l.c.l., same basis.....lb. .10 - .11
tanks, same basis.....lb. .08¾- .09¾
USP, dms., c.l., same basis..lb. .10¾- .11¾
l.c.l., same basis.....lb. .11¼- .11¾
tanks, same basis.....lb. .10 - .10½
Crotonaldehyde, 97%, l.c.l., 55 and 110-gal. dms..lb. .15 - —
5 and 10-gal. dms., works.. lb. .15 - —
Cryolite, nat.,[4] bgs., bbls., c.l., works..100 lbs. 9.50 - 9.75
bbls., l.c.l., works....100 lbs.10.00 - —
synth.,[4] bgs., bbls., c.l., frt. alld. E. of Miss. R..lb. .08½- —
l.c.l., works.....lb. .09¼- —
Cube root, 5% rotenone, bbls., works..lb. .40 - —
4% rotenone, bbls., works..lb. .33 - —
Cubeb berries, XX, bgs.....lb. No stocks
powd., cs.....lb. No stocks
Culvers root, bls.....lb. .35 - .40
Cumin seed, Cyprus, bgs.....lb. No stocks
Indian, bgs., futures.....lb. .33½- .34
Morocco, bgs.....lb. No stocks
Persian, bgs.....lb. .36 - .36½
Syrian, bgs.....lb. No stocks
Cutch, bgs.....lb. No stocks



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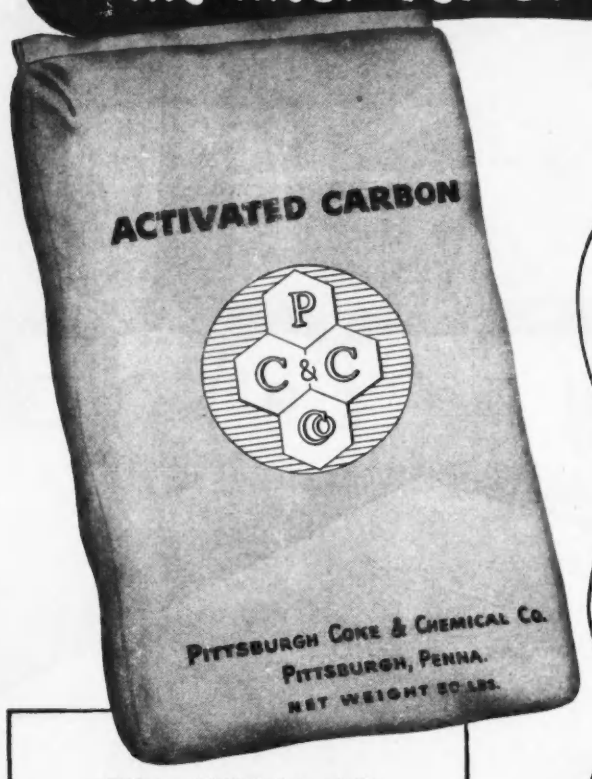
Cyanamide,[3] fertiliser mixing grades, guaranteed, 20.6% N, gran., bulk, Niagara Falls, Ont., contracts, bulk, unit-ton 1.62½ -
21% N., pulv., bgs., same basis..unit-ton 1.52½ -
Cyclohexane, tech., dms., c.l., works..lb. .10½ -
l.c.l., works..lb. .11 -
tanks, works..lb. .09½ -
Cyclohexanol, 98%-100%, dms., works..lb. .31 - .33
Cyclohexanone, 97½% min., dms., c.l., works..lb. .30 - .33
tech., dms., c.l., works..lb. .30 -
l.c.l., works..lb. .30½ -
tanks, works..lb. .29 -
Cyclopropane, USP, cyls., dlvd., gal. .37 -

D

Damiana leaves, bls..lb. .35 - .40
Dandelion root, bls..lb. .75 - .80
DDT, fiber, dms., c.l., works..lb. .45 -
ton lots, works..lb. .50 -
tins, smaller lots, work..lb. .53 - .60
Decanol, normal, tech., dms., dlvd..lb. .35 -
Deertongue, bls..lb. .34 - .38
Defluorinated phosphate,[1] paper bgs., works..ton 35.75 -
Degras,[1] common, bbls..lb. .10 - .13
neutral, less 2% ffa, bbls..lb. .28 - .30
over 2% ffa, bbls..lb. .25½ - .28¼
Derris root (see Cube root).
Dextrin, British gum, bgs., c.l.,
Chicago ..100 lbs. 4.36 -
l.c.l. ..100 lbs. 5.39 -
Chicago ..100 lbs. 5.06 -
Corn, canary, bgs., c.l..100 lbs. 5.04 -
Chicago ..100 lbs. 4.66 -
l.c.l. ..100 lbs. 5.14 -
Chicago ..100 lbs. 4.78 -
Dextrin, corn, white, bgs., c.l..100 lbs. 4.97 -
Chicago ..100 lbs. 4.61 -
l.c.l. ..100 lbs. 5.07 -
Chicago ..100 lbs. 4.71 -
Potato, bgs., c.l..lb. .10 -
l.c.l. ..lb. .10¼ - .11¾
Diacetone (see Alcohol, diacetone).
Diacetyl, flavor grades, bots...lb. 5.50 - 5.85
laboratory grade, bots..100 grams. 4.50 -
tech., bots., works..lb. 3.00 -
Diamyl ether (see Amyl ether).
Phthalate,[6] dms., c.l., dlvd..lb. 2170- .2200
l.c.l., dlvd..lb. .2220- .2250
tanks, dlvd..lb. .2070- .2100
Sulphide, l.c.l., dms., works..lb. .25 -
Diatomaceous earth, dom., CP, bgs., c.l., Atlantic coast..lb. .07 -
l.c.l., ex whse..lb. .10 - .15
nat. bgs., c.l., Pacific coast..ton 22.00 -25.00
l.c.l., ex whse..ton 45.00 -
purified, bgs., c.l., Atlantic coast..ton 55.00 -59.00
l.c.l., ex whse..ton 85.00 -90.00
imported, Algerian, bgs., c.l., Atlantic coast..ton. No prices
Mexican, white, bgs., c.l., Atlantic coast..lb. .02 - .03
l.c.l. ..lb. .04 - .06
Dibutyl phthalate,[6] 5-gal. cns., works..lb. .2250- .2900
1-gal. cns., works..lb. .2450- .3100
dms., c.l., works..lb. .1700- .2359
l.c.l., works..lb. .1750- .2409
tanks, works..lb. .1600- .2259
Dibutyl sebacate, dms., c.l., works..lb. .5000- .5370
l.c.l., works..lb. .5050- .5420
tanks, works..lb. .4900- .5270
Tartrate, dms., works, frt. alld. lb. .92 - 1.02
Dibutylamine, dms., c.l., works..lb. .66 -
l.c.l., works..lb. .69 -
Dichlorodiphenyltrichloroethane (see DDT)
Dichloroethyl ether,[6] purified, dms., c.l., works, frt. equald with So. Charleston..lb. .16 -
l.c.l., same basis..lb. .17 -
tanks, same basis..lb. .15 -
Diethanolamine,[6] dms., c.l., frt. alld. in E..lb. .33½ -
l.c.l., same basis..lb. .34½ -
tanks, same basis..lb. .13 -
Diethyl carbonate, com'l, dms..lb. .25 -
refd., 99%, dms..lb. .80 -
Oxalate, dms., c.l., dlvd..lb. .30½ -
l.c.l., dlvd..lb. .31 -
Phthalate,[6] dms., c.l., dlvd..lb. .21½ -
l.c.l., dlvd..lb. .22 -
tanks, dlvd..lb. .20½ -
Sulphate, dms., c.l., works..lb. .14 -
l.c.l., works..lb. .15 -
tanks, works..lb. .13 -
Diethylamine, dms., c.l., works..lb. .44 -
l.c.l., works..lb. .46 -
tanks, works..lb. .40 -
Diethylaminoethanol, dms., l.c.l., works, frt. alld. E. of Miss. R..lb. .75 -
Diethylaniline, dms..lb. .40 -
Diethyleneglycol, dms., c.l., frt. alld.in E..lb. .14 -
l.c.l., same basis..lb. .15 -
tanks, same basis..lb. .13 -
Diethyleneglycol monobutylether, dms., c.l., works..lb. .22 -
l.c.l., works..lb. .23 -
tanks, works..lb. .21 -
Monoethylether, dms., c.l., wks. lb. .15½ -
l.c.l., works..lb. .16½ -
tanks, works..lb. .14½ -
Digitalis leaves, dms..lb. 1.10 - 1.15
Diglycol laurate, dms..lb. .31 - .32
Oleate, light, bbls., c.l..lb. .17 -
Stearate, bbls., c.l..lb. .22 -
Dihydroxydichlorodiphenylmethane, dms., works of N.Y. met..lb. .95 - 1.00
smaller containers, same basis lb. 1.05 - 1.40
Di-isobutyl ketone, dms., works, lb. .19 -

Dillseed, natural, afloat, bgs., lb. .09 - .09½
decorticated, bgs..lb. .13 - .13½
dewhiskered, bgs..lb. .09½ - .09⅝
Dimethyl phthalate, dms., c.l., dlvd..lb. .20 -
l.c.l., dlvd..lb. .20½ -
tanks, dlvd..lb. .19 -
Dimethylamine, dms., c.l., dlvd. lb. .65 -
l.c.l., dlvd..lb. .90 -
Dimethylaniline, dms., c.l..lb. .21 -
l.c.l. ..lb. .22 -
Dinitrobenzene, bbls..lb. .18 -
Dinitrochlorobenzene, dms..lb. .14 -
Dinitronaphthalene, kgs..lb. .35 - .38
Dinitrophenol, bbls..lb. .22 -
Dinitrotoluene, dms..lb. .18 -
Oily, dms..lb. .05 -
Diorthotolyiguanidin, dms., ton lots, dlvd..lb. .44 -
smaller lots, dlvd..lb. .46 - .47
Dioxan, dms., c.l., frt. alld..lb. .20 -
l.c.l., same basis..lb. .21 -
tanks, same basis..lb. .19 -
Dip oil (see Tar and oil).
Dipentene,[1] destructive dist., dms., dlvd. E..gal. .55 - .06
tanks, dlvd. E..gal. .45 -
steam-dist., dms., dlvd. E..gal. .50 - .55
tanks, dlvd. E..gal. .53 - .58
Diphenyl,[6] bbls., c.l., works..lb. .15 -
l.c.l., works..lb. .16 - .20
Oxide, perfume grade, cns..lb. .45 - .50
dms. ..lb. .43 - .48
Diphenylamine, bbls..lb. .26 -
Diphenylguanidin, dms., tons..lb. .25 -
smaller lots..lb. .30 - .31
Divi-divi,[1,5] 42% tannin, c.l., U.S. ports, ex dock..ton 71.00 -72.00
Doggrass root, dom., cut, bls..lb. .30 - .35
imp., NF, cut, bls..lb. .45 - .50
Dogwood, Jamaica, bark, bls..lb. .12 - .14
Dover's powder, USP, cns..lb. No stocks
Dragon's blood, drops, cs..lb. .55 - .60
reeds, cs..lb. No stocks
Dyes, coaltar (certified colors for foods, drugs and cosmetics), 5-lb. lots—
Blue, FD&C, No. 1, cns..lb. 13.00 -
Green, FD&C, No. 1, cns..lb. 14.00 -
No. 2, cns..lb. 17.00 -
No. 3, cns..lb. 27.00 -
Orange, FD&C, No. 1, cns..lb. 3.80 -
No. 2, cns..lb. 5.05 -
Red, FD&C, No. 1, cns..lb. 5.75 -
No. 2, cns..lb. 8.05 -
No. 3, cns..lb. 17.00 -
No. 4, cns..lb. 5.50 -
No. 14, cns..lb. 4.05 -
Yellow, FD&C, No. 1, cns..lb. 3.00 -
No. 3, cns..lb. 2.50 -
No. 4, cns..lb. 2.55 -
No. 5, cns..lb. 3.00 -
No. 6, cns..lb. 3.00 -
Dyes, coaltar (certified colors for drums and cosmetics), 1-lb. lots—
Black, D&C, No. 1, cns..lb. 8.85 -
Blue, D&C, No. 4, cns..lb. 12.35 -
Brown, D&C, No. 1, cns..lb. 12.35 -
Green, D&C, No. 5, cns..lb. 12.35 -
No. 6, cns..lb. 12.35 -
Orange, D&C, No. 5, cns..lb. 8.35 -
No. 4, cns..lb. 15.35 -
No. 10, cns..lb. 15.85 -
Red, D&C, No. 8, cns..lb. 2.85 -
No. 17, cns..lb. 8.35 -
No. 18, cns..lb. 15.35 -
Yellow, D&C, No. 7, cns..lb. 8.30 -
No. 8, cns..lb. 8.35 -
No. 11, cns..lb. 10.35 -
No. 19, cns..lb. 15.35 -
No. 22, cns..lb. 8.35 -
No. 13, cns..lb. 13.35 -
No. 24, cns..lb. 12.35 -
Dyes, coaltar (certified colors for external use drugs and cosmetics), 1-lb. lots—
Blue, Ext. D&C, No. 1, cns..lb. 12.35 -
Green, Ext., D&C, No. 1, cns. lb. 12.35 -
Red, Ext. D&C, No. 1 cns..lb. 10.35 -
No. 6, cns..lb. 21.35 -
No. 8, cns..lb. 7.35 -
No. 10, cns..lb. 12.35 -
No. 13, cns..lb. 12.35 -
Yellow, Ext. D&C, No. 1, cns. lb. 8.35 -
Dyes, coaltar, for general uses (numbers are those of Colour Index scale)—
86 Chrome yellow, 2G..lb. .65 - .70
40 Chrome yellow R..lb. .50 - 1.00
53 Victoria violet..lb. .80 - 1.00
165 Lake red C..lb. .70 - .80
170 Fast red A..lb. .56 - .60
180 Fast red VR..lb. 1.50 - 1.60
189 Lake red R, paste..lb. .65 - .80
189 Lake red R, powd..lb. 3.00 - 3.10
202 Chrome blue black U..lb. .35 - .42
204 Chrome black A..lb. .42 - .45
208 Fast red blue R..lb. .75 - 2.00
216 Chrome red B..lb. 1.75 - 2.00
262 Cloth red 2B..lb. .70 - .80
289 Fast cyanin 5R..lb. .90 - 1.00
299 Chrome black F..lb. .85 - .90
304 Paper yellow..lb. .53 - .60
307 Fast cyanin black B..lb. .80 - .85
326 Direct fast scarlet..lb. 2.00 - 2.25
365 Chyrophenin G..lb. .58 - .70
382 Direct scarlet B..lb. 1.15 - 1.20
387 Direct violet B..lb. 1.00 - 1.80
394 Direct violet N..lb. .80 - .85
401 Developed black BHN. lb. .45 - .60
406 Direct blue 2B..lb. .66 - .70
415 Direct orange B..lb. .60 - .70
419 Direct fast red F..lb. .70 - .72
420 Direct brown M..lb. .53 - .57
448 Benzo purpurin 4B..lb. .65 - .68
495 Benzo purpurin 10B..lb. .40 - .50
lb. .35 - .39
502 Direct azerin G..lb. .75 - .80
512 Direct blue RD..lb. .80 - 1.00
518 Direct pure blue 6B..lb. 1.20 - 1.30
520 Direct pure blue..lb. .50 - 1.00
529 Direct fast black FF..lb. .65 - 1.00
581 Direct black EW..lb. .50 - .54
582 Direct black RX..lb. .35 - .45
593 Direct green B..lb. .50 - .55
594 Direct green G..lb. .30 - .35
596 Direct brown 3GO..lb. .95 - 1.00
620 Direct yellow R..lb. 1.35 - 1.50
698 Acid violet..lb. 1.00 - 3.00
812 Primulin..lb. .70 - .75
814 Direct fast yellow..lb. 2.00 - 2.25
845 Nigrosin (water soluble).
1177 Indigo, 20% paste..lb. .15 - .18
Benzo fast black L..lb. .80 - 1.00
Sulphur black..lb. .20 - .25
Sulphur blue..lb. .45 - 1.00
Sulphur brown..lb. .25 - .30
Sulphur maroon..lb. .40 -
Sulphur tan..lb. .20 - .50
Sulphur olive..lb. .25 - .54
Sulphur yellow..lb. .20 - .50
Zambesi black..lb. .75 - .80
Dyes, coaltar, for stains, oil-soluble (prices in barrels of 250 lbs. each; 25 lb. lots and up, 3c. per lb. higher, sellers' works or warehouse).
Black—
865 Nigrosin derivatives..lb. .36 - .44
Blue—
7075 Alizarin astral base..lb. 15.00 -
1078 Alizarin cyanin green base..lb. 6.00 -

The most Versatile Adsorbent...



Isolates
Recovers
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Decolorizes
Fractionates
Purifies
Catalyzes

in Gas or Liquid Phase

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Inquiries Invited

Chemical Sales Division

Pittsburgh Coke & Chemical Company

Grant Building Pittsburgh, Pennsylvania

Dyes, coaltar, for stains, water-soluble (prices in barrels of 250 lbs. each; 25 lb. lots and up, 3c. per lb. higher, sellers' works or warehouse).

Brown—
Brown ..... lb. 1.15 - —

Green—
1078 Alizarin cyanin green. lb. 5.00 - —
Green ..... lb. .75 - —

Orange—
24 Sudan I..... lb. .75 - —
Red shade..... lb. .75 - —

Red—
75 Sudan II..... lb. 1.05 - —
308 Sudan IV..... lb. .95 - —
680 Oil violet..... lb. .50 - —
749 Rhodamine E (oil pink). lb. 2.50 - —
1060 Anthraquinone violet base. lb. 6.00 - —

Yellow—
15 Amidoazobenzene yellow. lb. .50 - —
17 Amidoazotoluene yellow. lb. .75 - —
61 Yellow OB..... lb. 1.40 - 2.00

Dyes, coaltar, for stains, spirit-soluble (prices in barrels of 250 lbs. each; 25 lb. lots and up, 5c. per lb. higher, sellers' works or warehouse).

Black—
246 Naphthol blue black B.. lb. .50 - —
729 Victoria blue B..... lb. 1.05 - —
861 Indulin ..... lb. .87 - —
873 Methylene gray..... lb. 1.50 - —
909 New blue F..... lb. 1.20 - —
922 Methylene blue..... lb. 1.00 - —
1054 Alizarin saphirol B... lb. 1.90 - —
1180 Indigotin IA..... lb. .85 - —

Blue—
714 Patent blue A..... lb. 1.05 - 1.10

Brown—
231 Bismarck brown G... lb. .47 - .62
234 Resorcin brown Y.... lb. .65 - —
235 Resorcin dark brown R, lb. .66 - —
823 Bismarck brown R... lb. .47 - .62
758 Phosphin ..... lb. 4.65 - —

Green—
5 Naphthol green B.... lb. 1.00 - —
667 Malachite green..... lb. 1.35 - —
693 Brilliant green..... lb. 2.00 - —
906 Guinea green B..... lb. 1.15 - —
737 Wool green S..... lb. .55 - —
924 Methylene green B.... lb. 1.55 - —
1078 Alizarin cyanin green.. lb. 2.00 - —

Orange—
10 Chrysodin G..... lb. .44 - —
21 Chrysodin R..... lb. .41 - —
27 Orange G..... lb. .50 - —
31 Amidonaphthol red G. lb. .42 - —
37 Amidonaphthol red 6B, lb. .62 - —
151 Orange Y..... lb. .31 - .33
161 Orange R..... lb. .34 - —

Red—
79 Ponceau R..... lb. .48 - —
88 Fast red B..... lb. 1.05 - —
176 Fast red A..... lb. .54 - —
179 Azorubin ..... lb. .62 - —
183 Crocein scarlet 3BX.. lb. .72 - .75
185 Cochineal red A..... lb. .60 - —
252 Brilliant crocein M.. lb. .68 - —
677 Fuchsin ..... lb. 2.10 - —
749 Rhodamine B..... lb. 3.50 - —
752 Rhodamine 6B..... lb. 4.50 - —
766 Eosin G..... lb. 1.50 - —
841 Safranin ..... lb. 1.45 - —

Violet—
680 Methyl violet B..... lb. .70 - .75
681 Crystal violet B..... lb. 1.75 - —
695 Acid violet 4BN..... lb. .62 - —

Yellow—
10 Naphthol yellow S... lb. .52 - —
138 Metanil yellow..... lb. .56 - .58
636 Fast light yellow.... lb. 1.25 - —
639 Xylene light yellow.. lb. 1.15 - —
640 Tartrazin ..... lb. .80 - —
655 Auramine ..... lb. 1.27 - —

Dyes, coaltar, for stains, water-soluble (prices E. in barrels of 250 lbs. each; 25 lbs. lots and up, 3c. per lb. higher, sellers' works or warehouse).

Black—
864 Nigrosin ..... lb. .36 - .44

Blue—
860 Indulin ..... lb. .60 - .70

Brown—
331 Bismarck brown..... lb. 1.50 - —

Green—
637 Malachite green base. lb. 2.00 - —

Orange—
20 Chrysoidin G..... lb. .95 - —
21 Chrysoidin R..... lb. .96 - —

Red—
677 Fuchsin, magenta, base. lb. 7.25 - —
749 Rhodamine R..... lb. 4.75 - —

Yellow—
67 Amidoazotoluene yellow. lb. .75 - —
655 Auramine ..... lb. 2.00 - —
800 Chinolin yellow SS.. lb. 2.00 - —

Violet—
680 Methyl violet base... lb. .35 - —

Dyes, natural (see name of article).

E

Echinacea root, bls..... lb. .70 - .75
Egg,[1,7] albumen (see Albumen).
Yolk,[1,7] dried, dom., bbls.... lb. 1.04 - 1.10
imported ..... lb. No stocks
Elder flowers, bright, bls..... lb. .75 - .85
Elecampane root, bls..... lb. .50 - .55
Elm bark, grinding, bls..... lb. .35 - .36
powd., bbls., bxs..... lb. .53 - .56
select, bndls..... lb. .55 - .56
Emetine hydrochloride, bots.. oz. 53.50 - 56.50
Ephedra, bls..... lb. .28 - .30
Ephedrine, natural, USP, anhydrous, bots.. oz. 1.15 - 1.65
Hydrochloride, tins..... oz. .95 - 1.45
Sulphate, tins..... oz. .95 - 1.45
Synthetic, USP, anhydrous, bots..100 ozs. .65 - —
hydrous, bots. 100 oz.... oz. .65 - —
Hydrochloride, tin, 100 ozs. oz. .59 - —
Sulphate, cryst., tins, 100 ozs. oz. .42 - —
Epinephrine, synth., USP, bots. gram .75 - —
Epsom salt, tech., cryst., bgs., c.l. 100 lbs. 1.80 - 1.95
l.c.l. ..... 100 lbs. 2.15 - 2.40
dried, bgs..... lb. .03½ - —
l.c.l., bgs..... lb. .04 - .07
USP, cryst., bgs., c.l.. 100 lbs. 2.00 - —
l.c.l., 5,000 lbs., 1 withdrawal.. 100 lbs. 2.25 - —
smaller lots.... 100 lbs. 2.50 - —
bbls., c.l..... 100 lbs. 2.10 - —
l.c.l., 5,000 lbs., 1 withdrawal.. 100 lbs. 2.35 - —
smaller lots..... 100 lbs. 2.60 - —
kgs., c.l..... 100 lbs. 2.35 - —
l.c.l., 5,000 lbs., 1 withdrawal.. 100 lbs. 2.60 - —
smaller lots..... 100 lbs. 2.85 - —

Epsom salt prices freight equalized with Balto., Carteret, N. J.; Chicago, Cincinnati, Cleveland, Houston, New Orleans, New York.

Ergot, USP, ens..... lb. 1.65 - 1.70
Eserine, bots..... oz. No prices
Sulphate, 1-gram, vials.... vial. 2.10 - —

Ether, acetic (see Ethyl acetate).
Amyl (see Amyl ether).
Butyl, l.c.l., dms., divd..... lb. .30 - —
Ethyl (see Ether, sulphuric).
Nitrous, conc., bots., 100 lbs. lb. .98 - 1.10
Sulphuric, conc., dms..... lb. .11 - .16
USP anesthesia, hospitals, 1-lb. cns.. lb. .60 - .61
Synthetic, dms., c.l., frt. alld. lb. .11 - —
l.c.l., same basis..... lb. .12 - —
tanks, same basis..... lb. .09 - —

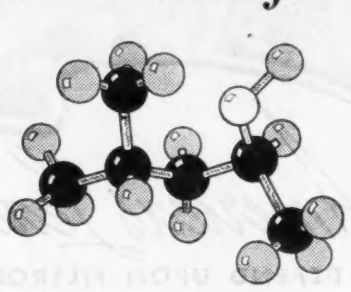
Ethyl acetate, 85-90%, dms., c.l., frt. alld.. lb. .1050- .1200
l.c.l., frt. alld..... lb. .1100- .1250
tanks, frt. alld..... lb. .0950- .1100
95-98%, dms., c.l., frt. alld. lb. .1075- .1275
l.c.l., frt. alld..... lb. .1125- .1225
tanks, frt. alld..... lb. .0975- .1175
NF, dms..... lb. .14½- .15½
Acetoacetate, dms., c.l., works. lb. .37½- —
l.c.l., frt. alld..... lb. .38 - —
Benzoate, bots..... lb. .50 - .52
Bromide, tech., dms..... lb. .50 - .55
Carbamate, dms., divd. E... lb. .58 - —
Chloride, tech., dms..... lb. .18 - .20
USP, bbls., cyl..... lb. .20 - .22
Cinnamate, cns..... lb. 2.65 - 3.00
Formate, dms., Agnue, Calif., lb. .28 - .33
Iodide, bots..... lb. 3.50 - 3.60
Lactate, dms., works..... lb. .33½- .35½
Myristate, dms., works..... lb. .55 - —
Oenanthate, dms..... lb. 1.10 - 1.15
Oleate, dms., l.c.l., works... lb. .47 - —
Oxalate, dms., frt. alld..... lb. .32 - —
Silicate, dms., l.c.l., works.. lb. .77 - —

Ethylcellulose, pkgs., 5,000 lbs. or more, works.. lb. .50 - —
smaller lots, works..... lb. .53 - .60
Ethyldiethanolamine, dms., l.c.l., works.. lb. .80 - —
Ethylene dichloride, dms., c.l., works, frt. alld. E. of Rockies, frt. alld.. lb. .0642- —
West of Rockies.. lb. .0691- —
l.c.l., works, frt. alld. E. of Rockies.. lb. .0691- —
West of Rockies.. lb. .0941- —
tanks, frt. alld. E. of Rockies, lb. .0742- —
West of Rockies.. lb. .0792- —
Trichloride (see Trichlorcethane).
Ethyleneglycol, dms., c.l., frt. alld. in E.. lb. .10 - —
l.c.l., same basis..... lb. 11
tanks, same basis..... lb. .09 - —
Monobutylether, dms., c.l., wks. lb. .17½- —
l.c.l., works..... lb. .18½- —
tanks, works..... lb. .16½- —
Monoethylether, dms., c.l., wks. lb. .15½- —
l.c.l., works..... lb. .16½- —
tanks, works..... lb. .14½- —
Monoethylether acetate, dms., c.l., works.. lb. .13½- —
l.c.l., works..... lb. .14½- —
tanks, works..... lb. .12½- —
Monomethylether, dms., c.l., wks. lb. .16½- —
l.c.l., works..... lb. .17½- —
tanks, works..... lb. .15½- —
Ethylethanolamine, dms., c.l., works.. lb. .57 - —
l.c.l., works..... lb. .60 - —
Ethylmonoethanolamine, l.c.l., dms., works.. lb. .80 - —
Ethylmorphine, hydrochloride, bots.. oz. 10.50 - 10.75
Ethylvanillin,[1] cns., 5 lbs. or more.. lb. 5.25 - —
smaller lots..... lb. 5.30 - 5.40
Eucalyptol, cns., dms..... lb. 2.85 - 3.25
Eucalyptus leaves, bls..... lb. .14 - .15
Eugenol, cns., dms..... lb. 2.65 - 3.25
Euphorbia, bls..... lb. .13 - .14

F

Feldspar,[1] enamel, 100 mesh, ton. 17.00 - 20.50
bulk, c.l..... ton. 14.00 - 17.50
glass, 20 mesh, bgs., works, min. 2 tons.. ton. 12.75 - 16.25
bulk, c.l..... ton. 9.75 - 12.25
pottery, bgs., l.c.l., works, min. 2 tons.. ton. 20.00 - 22.00
bulk, c.l., works..... ton. 17.00 - 19.00
Fennel seed, Argentine, bgs... lb. .22 - .22½
Indian, bgs..... lb. .16½ Nom.
Fenugreek, domestic, bgs..... lb. No stocks
Indian, bgs..... lb. .10 - .10½
Morocco, bgs..... lb. .10½- .11
Ferric sulphate (see Iron sulphate, ferric).
Film scrap, colored, cs., works. lb. .13½- .15
water-white, cs., works..... lb. .14½- .17
Fir balsam, Canada, cns.... gal. 19.00 - 19.50
Oregon, bbls..... gal. 2.35 - 2.40
Fishberries, bgs..... lb. .34 - .35
Fishliver oils (see Oil, fishliver).
Fishmeal,[1,7] grd., 60% protein, bgs., E. works.. ton. 72.50 - —
65% protein, bgs., E. works, ton. 78.50 - —
Fishscrap,[7] dried, 60% protein, bulk, East coast.. ton. 66.50 - —
Flake white, bbls..... lb. .09 - —
kegs ..... lb. .11 - —
Fleaseed, dom., French-type, bgs. lb. .62 - .64
French, black, bgs..... lb. No stocks
Indian, blonde, bgs..... lb. .19 - .20

Shell Chemical Announces commercial production of a hexyl alcohol



METHYL ISOBUTYL CARBINOL

(Methyl Amyl Alcohol)

MIBC IS USEFUL AS:

Medium-Boiling Latent Solvent in nitrocellulose lacquers — contributes good blush resistance, gloss, flow, and leveling in cold spray, brushing, and hot spray lacquers. Allows use of larger quantities of low-boiling alcohols in lacquer or lacquer thinner formulas, while retaining good blush resistance.

Medium-Boiling Nitrocellulose Lacquer Solvent (in combination with methyl isobutyl ketone)—gives high toluene dilution ratio . . . excellent blush resistance . . . low viscosity especially valuable in high solids lacquer formulations.

Resin Solvent for phenolic type baking finishes—low water solubility of MIBC lessens dehydration of gelatin rolls used in roller coating application.

Alcohol Portion of a Solvent for synthetic alkyd and urea-formaldehyde baking finishes—small portions in conjunction with aromatic petroleum diluents yield solutions of low viscosity. Low evaporation rate of MIBC tends to eliminate bubbling during baking of finishes.

Frother (with other materials) in flotation recovery of certain copper ores.

Methyl Isobutyl Carbinol is available in compartment or straight tank car shipments

For more detailed information on the applications, properties, and specifications, write for Technical Bulletin #SCC: 46-1

SHELL CHEMICAL CORPORATION

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500 FIFTH AVENUE, NEW YORK 18

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Fluorspar,[1] No. 1, ground, 96-98% CaF_2, bulk, c.i., mines, net ton 37.00 - —
washed, gravel, 70% or more CaF_2, c.i., bulk, mines, ton 33.00 - —
85%, c.i., bulk, mines....ton 32.00 - —
80%, c.i., bulk, mines....ton 31.00 - —
less than 80%, c.i., bulk, mines..ton 30.00 - —
Formaldehyde,[1] bbls., c.l., works, lb. .0620- —
l.c.l., works, lb. .0570- —
dms., extra, c.l., works, lb. .0460- —
l.c.l., works, lb. .0510- —
tanks, works, lb. .0320- —
tanktrucks, dlvd. N.Y.C., lb. .0345- —
Fringetree bark, bls, lb. .55 - .58
Fuller's earth,[1] dom., powd., bgs., c.l., Fla., Ga. mines, ton 9.50 -15.00
Tex. mines, ton 12.50 - —
spent, bulk, Bayonne, ton 3.00 - —
Chicago, ton 4.00 - —
imp., bgs., c.l., ton 30.00 -40.00
Furfural, ref., dms., c.l., works, lb. .15½- —
cns., dms., l.c.l., works, lb. .18½- .25½
tech., dms., c.l., works, lb. .13 - —
l.c.l., cns., dms, lb. .15½- .20½
tanks, works, lb. .09½- —
Fusel oil, crude, dms., works, gal. .75 - —
refd., dms., dlvd, lb. .18½- .19½
Fustic extract, cryst., No. 1, bbls., l.c.l., lb. .35 - —
No. 1A, bbls., l.c.l., lb. .34 - —
No. 2, bbls., l.c.l., lb. .33 - —
No. 3, bbls., l.c.l., lb. .31 - —
liquid, No. 0, bbls., l.c.l., lb. .19 - —
No. 1, bbls., l.c.l., lb. .17½- —
No. 2, bbls., l.c.l., lb. .16½- —
No. 3, bbls., l.c.l., lb. .14 - —
solid, No. 1, bxs., l.c.l., lb. .20½- —

G

G salt, bbls, lb. .45 - —
Galangal root, bls, lb. .24 - .28
Gambier, cube, Singapore, cs., lb. No stocks
Extract, bbls, lb. No stocks
Gammaspicoline, 90%, dms., c.l., works, lb. 1.25 - —
Gasoline,[1] at refinery, ex tax, Arkansas, 73-75 octane, tanks, gal. .05½- —
Bayonne, 73-75 octane, tanks, gal. .07 - .08
Gulf Coast, 73-75 octane, tanks, gal. .0570- .0625
Group 3, 73-75 octane, tanks, gal. .05 - .06
Pennsylvania, western, US motor, 74 octane, leaded, tanks, gal. .07 - .07¼
natural, 26/70 octane, Group 3, tanks, gal. .02¾- —
Gelatin, silver label, otns., dlvd, lb. .90 - .97
export, cs, lb. 1.00 - —
Silver label prices 5c. higher for deliveries in Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Tex., Utah, Wash. and Wyo.
Gelsenium root, bls, lb. .40 - .45
Gentian root, bls, lb. .36 - .38
grd., bbls., bxs, lb. .39 - .40
powd., bbls., bxs, lb. .39 - .41
Geraniol, 92-96%, cns., dms, lb. No prices
Geranyl acetate, cns, lb. No prices
Ginger,[1] African, No. 1, bls, lb. .15 - .15½
Calicut, Romeo-type, bgs, lb. .16½- .17
Cochin, bleached, bgs, lb. .16 - .16½
unbleached, bgs, lb. .15½- .16
Jamaica, No. 1, bgs, lb. .23 - .23½
No. 2, bgs, lb. .18½- .19
No. 3, bgs, lb. .16 - .16½
Rhattoon, bgs, lb. .15¾- .16¼
Glaubers salt, anhyd. (see Soda sulphate).
cryst., bgs., bbls., works, 100 lbs. 1.05 - 1.45
Glue, bone, calcium type, 24 millipoise, 36 jellygrams, bgs., c.l., East of Midwest, lb. .18 - .22
35/75, bgs., c.l., same basis, lb. .15½- .22½
55/82, bgs., c.l., same basis, lb. .17 - .24
82/106, bgs., c.l., same basis, lb. .18½- .25½
Bone glue, l.c.l. prices 1c. higher than c.l.
Hide,[1] 100-121 (jelly test in grams), bgs., c.l., dlvd, lb. .14 - .21½
122-149, bgs., c.l., dlvd, lb. .15 - .23½
150-177, bgs., c.l., dlvd, lb. .16 - .25½
178-206, bgs., c.l., dlvd, lb. .17 - .24½
207-236, bgs., c.l., dlvd, lb. .18 - .25½
237-266, bgs., c.l., dlvd, lb. .19 - .26½
267-296, bgs., c.l., dlvd, lb. .20 - .27½
297-330, bgs., c.l., dlvd, lb. .21 - .28½
331-362, bgs., c.l., dlvd, lb. .22 - .29½
363-394, bgs., c.l., dlvd, lb. .23 - .30½
395-427, bgs., c.l., dlvd, lb. .24 - .31½
428-460, bgs., c.l., dlvd, lb. .25 - .32½
461-494, bgs., c.l., dlvd, lb. .26 - .33½
495-529, bgs., c.l., dlvd, lb. .27 - .34½
Hide glue l.c.l. prices 1c. higher than c.l.; bbls., ½c. over bgs.
Glycerin, crude, saponification, 80%, to refiners, tanks, lb. .12¾- —
soaplye, 80%, tanks, lb. .11½- —
dynamite, dms., c.l., lb. .17½- 18¼
l.c.l., lb. .18 - .18¾
tanks, lb. .17¼- .18
high gravity, dms., c.l., lb. .17½- .18¼
l.c.l., lb. .18 - .18¾
tanks, lb. .17¼- .18
refined, B.P., 98%, dms., c.l., lb. .18¾- —
tanks, lb. .18½- —
USP, 96%, dms., c.l., lb. .18¼- —
l.c.l., lb. .18¾- —
tanks, lb. .18 - —
yellow, distilled, dms., c.l., lb. .17¾- —
tanks, lb. .17¾- —
Glycine, USP, bbls., tins, lb. 1.35 - 1.80
Glycol boriborate, dms, lb. .22 - —
Stearate, dms, lb. .30 - —
Gold chlorids, acid-brown, bots, oz. 20.75 -21.50
acid-yellow, bots, oz. 18.75 -19.60
Gold-soda chlorids, photo., bots., oz. 13.00 - —
USP IX, bots, oz. 14.50 -14.75
Goldenseal root, bls, lb. 8.75 - 9.00
powd., bxs, lb. 9.25 - 9.50
Gold of pleasure seed, bgs, lb. No stocks
Grains of paradise, bgs, lb. .80 - .87
Graphite,[1] dom., crystalline, 60% through 80 mesh, graphitic carbon content 65-70%, bgs., whse., lb. .04½- —
70-75%, bgs., same basis, lb. .06 - —
75-80%, bgs., same basis, lb. .05½- —
80-85%, bgs., same basis, lb. .06 - —
85-90%, bgs., same basis, lb. .07 - —
90% and up, same basis, lb. .08 - —
Grease, house,[1,7] loose, lb. .05½- —
White, choice, loose, lb. .05½- —
Wool (see Adeps lanae and Degras).
Green, brilliant,[1] thiofavin toner, molybdic, bgs., works, lb. 8.25 - —
tungstic, bgs., works, lb. 8.75 - —
Chrome,[1] CP, dark, light, medium, blue content up to 5%, bbls., dlvd. N. of Tenn. and N.C., E. of Miss. River, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis, lb. .33 - —
15% bbls., same basis, lb. .35 - —
20%, bbls., same basis, lb. .35½- —
21-25%, bbls., same basis, lb. .36 - —
26-30%, bbls., same basis, lb. .36½- —
31-35%, bbls., same basis, lb. .37½- —
36-40%, bbls., same basis, lb. .39 - —
41-45%, bbls., same basis, lb. .39½- —
46-50%, bbls., same basis, lb. .43 - —
reduced color, 5%, bbls., same basis, lb. .06¾- —
9-10%, bbls., same basis, lb. .07½- —
11-13%, bbls., same basis, lb. .08 - —
14-16%, bbls., same basis, lb. .08½- —
17-19%, bbls., same basis, lb. .09½- —
20-21%, bbls., same basis, lb. .09¾- —
22-23%, bbls., same basis, lb. .09 - —
24-25%, bbls., same basis, lb. .09½- —
26-27%, bbls., same basis, lb. .09¾- —
28-29%, bbls., same basis, lb. .10 - —
30-31%, bbls., same basis, lb. .10½- —
32-33%, bbls., same basis, lb. .12 - —
34-35%, bbls., same basis, lb. .12 - —
36-40%, bbls., same basis, lb. .14 - —
41-45%, bbls., same basis, lb. .17 - —
46-50%, bbls., same basis, lb. .17½- —
51-55%, bbls., same basis, lb. .18 - —
56-60%, bbls., same basis, lb. .18½- —
61-65%, bbls., same basis, lb. .19 - —
70%, bbls., same basis, lb. .20 - —
71-75%, bbls., same basis, lb. .21 - —

Chrome green prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1½c.; El Paso, 3c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City and Wichita, prices are equalised with Chicago.

Green, chrome oxide, pure, dms., whs., lb. .94 - —
Malachite, thiofavin toner, molybdic, bbls., works, lb. 8.00 - —
tungstic, bbls., works, lb. 8.50 - —
Phthalocyanin,[1] tetrahydrexide (hydrated chromium oxide, bbls., works, lb. .85 - —
toner, bbls., works, lb. 4.00 - 5.00
Paris (see P).
Tungstated, brilliant, kgs, lb. 3.00 - —
emerald, kgs, lb. 2.00 - —
Verdigris (see V).
Green dyes (see Dyes, coaltar).
Grindelia robusta, bls, lb. .21 - .28
Guaiac, resin, cs, lb. .28 - .30
Wood, bls, lb. .06 - .09
Guaiacol cryst., N.F., tins, lb. 1.60 - 1.65
Liquid, N.F., bots., cbys, lb. 1.60 - 1.84
Carbonate, dms, lb. 2.40 - 2.45
Guanidin carbonate,[1] bbls., c.l., works, lb. .97 - —
l.c.l., works, lb. .98 - .99½
Guarana, powd., cs, lb. 2.00 - 2.10
Gum accroides (see Gum, yacca).
Aloe (see A).
Ammoniac, tears, cs, lb. .90 - .95
Arabic, amber, sorts, bgs, lb. .13½- .14
white, sorts, 1, bgs, lb. .28 - .29
Asafetida (see A).
Asphaltum (see A).
Benzoin, artificial, cns, lb. 1.75 - 2.55
Camphor (see C).

Copal, Congo (former dollar-and-cent ceilings revoked Feb. 2. New ceiling prices are to be based on prices to be paid by importers in the Belgian Congo plus landed costs, as determined by a formula under import regulation).

East India,[1] Batu, bold, scraped, c.l., same basis, lb. .10½- —
unscraped, same basis, lb. .09 - —
chips, same basis, lb. .12 - —
dust, same basis, lb. .06½- —
nubs and chips, same basis, lb. .08½- —
pale, Hiro-Macassar,[1] bold, bgs., c.l., same basis, lb. .17½- —
chips, same basis, lb. .11½- —
dust, same basis, lb. .06½- —
nubs, same basis, lb. .12½- —
Singapore, Rasak, bold, bgs., same basis, lb. .23½- —
chips, same basis, lb. .11½- —
dust, same basis, lb. .06½- —
nubs, same basis, lb. .16½- —
Macassar,[1] dust, bgs., c.l., same basis, lb. .07½- —
MA, same basis, lb. .09½- —
MB, same basis, lb. .09¼- —
WS, bgs., same basis, lb. .11½- —
Manila, Bosso,[1] hard, bold, amber, light, bskts., c.l., same basis, lb. .13½- —
dark, light, same basis, lb. .14½- —
white, same basis, lb. .15½- —
Loba,[1] A, bgs., c.l., same basis, lb. .14 - —
B, same basis, lb. .13½- —
C, same basis, lb. .13½- —
CBR, same basis, lb. .12 - —
ONE, same basis, lb. .10 - —
D, same basis, lb. .12½- —
DBB, same basis, lb. .11 - —
DK, same basis, lb. .09¼- —
DU, same basis, lb. .08½- —
dust, same basis, lb. .07½- —
WB, same basis, lb. .09¼- —
WS, same basis, lb. .11½- —
white split chips, bgs., c.l., same basis, lb. .15¼- —
dust, same basis, lb. .07¼- —
whse., entry point c.l., lb. .06½- —
Manila-Singapore,[1] white split chips, bgs., c.l., same basis, lb. .16¼- —

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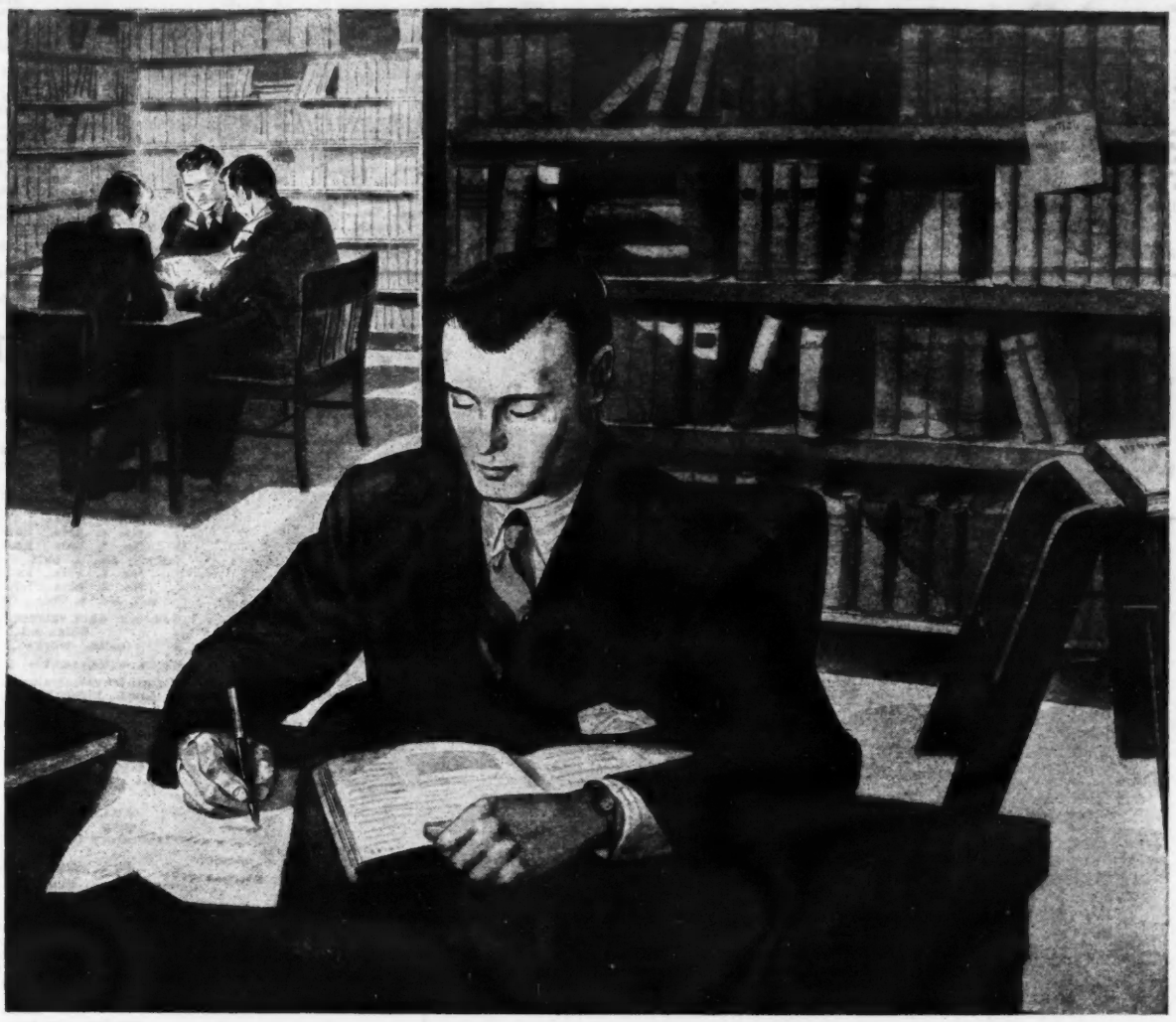

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Gum, copal, Manila-Singapore, extra bold, sorts, bgs., c.l., same basis..lb. .12¾- —
pale chips, bold, same basis..lb. .13 - —
nubs, WCB, same basis..lb. .13¾- —
seeds, dust same basis....lb. .06¾- —
SG, same basis.....lb. .10½- —
small chips, same basis..lb. .11½- —
c.l., same basis..lb. .12¾- —
Pontianak, bld., scraped, bgs., mixed, same basis..lb. .17¾- —
chips, small, same basis..lb. .12¾- —
cuttings of split, same basis..lb. .12½- —
nubs, same basis.....lb. .13 - —
Gum copal, l.c.l., prices ¼c. to ½c. higher.
Dammar,[1] Batavia, A, cas., c.l., same basis..lb. .32¾- —
A/C, same basis.....lb. .31½- —
A/D, same basis.....lb. .30¾- —
A/E, same basis.....lb. .29¾- —
B, same basis.....lb. .30¾- —
C, same basis.....lb. .29¾- —
D, same basis.....lb. .28¾- —
E, same basis.....lb. .16¾- —
F, same basis.....lb. .12¾- —
dust, same basis.....lb. .12¾- —
Singapore,[1] No. 1, c.s., c.l..lb. .30¾- —
2, bgs., same basis.....lb. .25 - —
3, bgs., same basis.....lb. .12¾- —
chips, cs., same basis....lb. .32½- —
dust, bgs., same basis...lb. .13 - —
seeds, cs., same basis....lb. .17½- —
Gum, dammar, l.c.l., prices ¼c. to ½c. higher.
Elemi,[1] cns., c.l., ex dock or whse. entry port..lb. 09½- 10¼

Gum, ester,[1] gum-rosin type, dms., c.l., divd., Ill. Ind., & Mich., Mid-Atl. States, N. England States, Minneapolis, N. C., Ohio, St. Louis, St. Paul, Va., W. Va..lb. .1300- —
l.c.l., divd., Ill., etc.....lb. .1325- —
other points, same basis..lb. .1400- —
wood-rosin type (formerly designated as "ordinary"), dms., c.l., divd. Ill., Ind., etc..lb. .1050- .1075
Euphorbium, cs.....lb. 1.50 Nom.
Galbanum, cs.....lb. 1.00 - 1.05
Gamboge, pipes, cs.....lb. No stocks
powd., bbls.....lb. No stocks
Ghatti, bgs.....lb. No stocks
Guaiac (see Guaiac resin).
Karaya, bbls., bxs., dms....lb. .18 - .40
Kauri,[1] brown, chips, extra, bgs., c.l., ex dock, whse..lb. .18 - —
dust, same basis.....lb. .13½- —
nubs, same basis.....lb. .24 - —
No. 1, extra, same basis...lb. .24 - —
superior, same basis.....lb. .21 - —
No. 2, extra, same basis...lb. .20 - —
superior, same basis.....lb. .17½- —
No. 3, same basis.....lb. .28 - —
x, same basis.....lb. .26 - —
2x, same basis.....lb. .49 - —
3x, same basis.....lb. .77 - —
bush, assorted, same basis.lb. .35 - —
bold, same basis.....lb. .49 - —
bright, same basis.....lb. .18 - —
chips, same basis.....lb. .22 - —
dark, same basis.....lb. .18 - —

Gum, kauri, white, chips, pale, same basis..lb. .20¾- —
dust, pale, same basis....lb. .20¾- —
extra, same basis..lb. .23½- —
No. 1, same basis.....lb. 45 - —
No. 2, same basis.....lb. 31 - —
No. 3, same basis.....lb. .30 - —
Superior, No. 1, same basis..lb. 41 - —
No. 2, same basis.....lb. .31 - —
No. 3, same basis.....lb. .22 - —
3x, same basis.....lb. .65¾- —
4x, same basis.....lb. .66 - —
5x same basis.....lb 1.00 - —
Gum kauri, l.c.l., prices are ½c. to ¾c. higher.
Locust bean, powd., bbls.....lb. .50 - .60
Mastic, cs.....lb. 3.50 Nom.
Myrrh, cs.....lb. .48 - .50
Olibanum, siftings, cs.....lb. .12 - .18
tears, cs.....lb. .21 - .35
Opium (see O).
Red (see Gum, yacca).
Rosin (see R).
Sandarac,[1] casks.....lb. .97½- .99½
Scammony, cs.....lb. 1.30 - 1.35
Talba, bgs.....lb. .10 - .11
Tragacanth, No. 1, cs.....lb. 2.75 - 2.80
No. 2, cs.....lb. 2.70 - 2.75
No. 3, cs.....lb. 2.10 - 2.15
Yacca,[1] red gum, coarse, bgs., ex dock, whse..lb. .05 - —
powdered.....lb. .07½- —

Gypsum, Keene's cement, paper bgs., c.l., Medicine Lodge, Kan., frt. equald..ton.17.00 - —
New Brighton, N.Y., frt. equald..ton.30.65 - —
Southard, Okla., frt. equald..ton.17.00 - —
Sweetwater, Tex., frt. equald..ton.21.45 - —
Plaster of Paris, paper bgs., c.l., Acme, Texas, frt. equald. ton.12.80 - —
Blue Rapids, Kan., frt. equald..ton.10.60 - —
Harlem River, N. Y., frt. equald..ton.13.00 - —
Medicine Lodge, Kan., frt. equald..ton.12.80 - —
New Brighton, N. Y., frt. equald..ton.13.00 - —
Southard, Okla., frt. equald..ton.12.80 - —
Sweetwater, Tex., frt. equald..ton.13.00 - —
Stucco, paper bgs., c.l., Acme, Texas; Akron, N. Y.; Blue Rapids, Kan.; Clarence Center, N. Y.; Fort Dodge, Ia.; Grand Rapids, Mich., Gypsum, Ohio; Harlem River, N.Y.; National City, Mich.; New Brighton, N. Y.; Plasterco, Ga.; Portsmouth, N. H.; Roton, Tex.; Southard, Okla.; Sweetwater, Tex.; frt. equald..ton. 8.00 - —
Saltville, Va., frt. equald, ton. 9.00 - —
Terra alba, paper bgs., c.l., Harlem river, N. Y., works..ton.15.00 - —
New Brighton, N. Y.: same basis..ton.14.40 - —

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Hawthorn berries, bgs.....lb. .57 - .60
Hellotropin, cryst., cns.....lb. 2.75 - 4.60
Hellebore, white, powd., bbls..lb. .46 - .47
Helonias root, bls.....lb. 2.50 - 2.75
Hematine extract, cryst., No. 6, bbls., l.c.l..lb. .41 - —
No. 1, bbls., l.c.l.....lb. .40 - —
No. 1A, bbls., l.c.l.....lb. .37 - —
No. 2, bbls., l.c.l.....lb. .36 - —
No. 3, bbls., l.c.l.....lb. .34 - —
No. 4, bbls., l.c.l.....lb. .32 - —
No. 5, bbls., l.c.l.....lb. .30 - —
paste, No. 1, bbls., l.c.l.....lb. .17½- —
No. 2, bbls., l.c.l.....lb. .16½- —
No. 3, bbls., l.c.l.....lb. .15½- —
red, No. 4, bbls., l.c.l.....lb. .14½- —
Hemlock bark extract,[1] 25% tan, bbls., c.l., works..lb. No stocks
tanks, works.....lb. No stocks
Henbane leaves, bls.....lb. 1.00 - 1.25
Henna leaves, bls.....lb. .25 - .30
powd., bbls., bxs.....lb. .28 - .31
Heptane,[1] industrial grade, 50°-100° C., dms., c.l., Group 3, gal. .12½- —
l.c.l., Group 3.....gal. .19 - —
tanks, Group 3.....gal. .10½- —
77°-115° C, dms., c.l., Group 3, gal. .13 - —
l.c.l., Group 3.....gal. .19 - —
tanks, Group 3.....gal. .10½- —
laboratory grade, dms., c.l., Group 3..gal. .10 - —
l.c.l., Group 3.....gal. .20 - .30
Hexachlorocyclohexane, dms., c.l., works..lb. .08 - —
l.c.l., dms., works.....lb. .09 - —
Hexalin (see Cyclohexanone).
Hexamethylenetetramine,[1] tech., bbls., 1,000-lb. lots, Perth Amboy or N.Y.C..lb. .24 - —
smaller lots, same basis..lb. .26 - —
USP, dms., 500 lbs. or more, same basis..lb. .35 - —
smaller lots, same basis..lb. .38 - —
Hexane,[1] 60°-70° C., industrial grades, dms., c.l., Group 3, gal. .12½- —
l.c.l., Group 3.....gal. .19 - —
tanks, Group 3.....gal. .10½- .11
laboratory grade, dms., c.l., Group 3..gal. .10 - —
l.c.l., Group 3.....gal. .20 - .30
Hexanol, normal, dms., l.c.l., works..lb. .26 - —
Homatropine hydrobromide, bots. oz.16.00 -28.00
Hoofmeal, 17-18% ammonia, bulk, c.l., Chicago.... unit-ton. 5.00 - 5.50
Hops, NF, bls.....lb. .80 - 1.20
Horehound, bls.....lb. .10½- .13
Hydrangea root, bls.....lb. No prices
Hydrastine, alkaloid, bots....oz.20.00 -23.00
Hydrochloride, bots.....oz.20.00 -22.00
Sulphate, bots.....oz.20.00 -23.00
Hydrastinine, 10-gr. bots....bot. 1.85 - —
Hydrastis (see Goldenseal).
Hydroframide, dms., 5lb. cns., works..lb. .30 - .40
Hydrogen peroxide, USP, bbls. lb. .69½- .84
100 vols., cbys., E. of Miss. River or West coast via Panama Canal..lb. .15½- .19½
Hydroquinone, bbls., dms.....lb. .90 - .94
Hydroxycitronellal, cns.....lb. No prices
dms., extra, ret'able, divd...lb. No prices
Hyoscine hydrobromide, bots..oz.20.00 -25.00
Hyoscyamine, bots.....oz.16.00 -20.00
Hydrobromide, bots.....oz.16.00 -20.00
Sulphate, bots.....oz.16.00 -20.00
Hypernic extract, cryst., No. 1, bbls., l.c.l..lb. .42 - —
No. 2, bbls., l.c.l.....lb. .34 - —
liquid, No. 1, bbls., l.c.l..lb. .24 - —
No. 2, bbls., l.c.l.....lb. .19 - —
solid, No. 1, bxs., l.c.l.....lb. .20 - —
Hyssop, bgs.....lb. .75 - 1.00

I

Iceland moss, bgs.....lb. .50 - .55
Ichthammol, NF, bots.....lb. 2.45 - —
Indian red (see Red, Indian).
Indigo, nat., chests.....lb. 2.14 - 2.20
synth., paste, bots.....lb. .16½- .19
powd., bbls.....lb. .74½- .85
Indol, CP, bots.....lb.19.50 -22.00
Insect flowers (see Pyrethrum).
Iodine, crude, 25-lb. jars.....lb. 1.67 - —
150-lb. kgs.....lb. 1.28½- —
resubl., 5-lb. bots., jars.....lb. 1.75 - 1.85
Iodoform, 100-lb. dms., kgs....lb. 3.95 - 4.10
25-lb. jars or 5lb. dms.....lb. 4.20 - —
Ionone, ketone, bot.....lb. 6.00 - 9.00
Methyl, bot.....lb. 6.25 -12.00
Ipecac root, bgs.....lb. No prices
powd., bgs.....lb. No prices
Irish moss, ordinary, bls.....lb. .20 - .25
powd., 60-80 mesh, bbls..lb. .22 - .25
prime, bleached, bls.....lb. .30 - .35
powd., 60-80 mesh, bbls..lb. .40 - .50
Iron acetate, liquor, bbls., c.l., divd..lb. .17 - —
l.c.l., divd.....lb. .18 - —
solut., USP IX, 100-lb. cbys.lb. .17 - —
50-lb. djms.....lb. .18 - —

Iron chloride (ferric), anhydr., tech., dms., c.l., works, 100 lbs.	4.90	- 5.25
l.c.l., works	[illegible]	[illegible]
cryst., tech., bbls., works, frt. alld. 100 lbs.	6.60	- 6.60
USP X, lump, bbls. lb.	.07	- .08½
solut., 42 Be, cbys., works, frt. alld. or equald. lb.	.06¾-	.06
dms., same basis. lb.	.10	- —
Citrate, USP VIII, gran., dms., lb.	.79	- .79
powd., cns. lb.	.94	- .97
Glycerophosphate, bbls. lb.	2.40	- 2.55
Hypophosphite, bbls., dms. lb.	1.50	- 1.53
Iodide, bots. lb.	2.15	- 2.25
Naphthenate, 6% Fe, 50-gal. dms. lb.	.15	- —
Nitrate, red., tech., dms. lb.	.08¼-	.04
Oxalate, gran., dms. lb.	.33	- .35
powd., cns. lb.	.52	
kgs. lb.	.47	- .49
Phosphate, soluble, NF, gran., cns. lb.	.94	- .97
Pyrophosphate, gran., cns. lb.	.59	- .62
Reduced, 99%, kgs. lb.	.68	- .73
Resinate, 7.4% Fe, 100-lb. dms. lb.	17¼-	—
Sulphate (ferric), anhyd., bgs., c.l., works. ton.	35.00	- —
l.c.l., works ton.	40.00	- —
(ferrous) tech. (see Copperas).		
USP, cryst., bbls., dms. lb.	.08½-	.11
Tallate, 4% Fe, 50-gal. dms. lb.	.10¼-	—
Iron-ammonia citrate, brown, green, gran., pearls, dms. lb.	.35	- .38
scale, dms. lb.	.49	- .50
Oxalate, bbls. lb.	.27½-	—
dms., kgs. lb.	.26½-	.26½
Iron-soda oxalate, bbls., dms. lb.	.23½-	.26½
Isobornyl acetate, cns., works. lb.	.80	- .95
Thiocyanoacetate, dms., c.l., works. gal.	4.35	- —
l.c.l., works. gal.	4.45	- 4.55
tanks, works. gal.	4.25	- —
Isobutyl acetate, dms., works. lb.	No prices	
Propionate, dms., works. lb.	No prices	
Isoeugenol, cns., works. lb.	3.75	- 4.25
Isopentane, dms., works. lb.	.45	- .55
Isophorone, dms., c.l., works. lb.	.21	- —
l.c.l., works. lb.	.22	- —
tanks, works. lb.	.20	- —
Isopropanol (see Alcohol, isopropyl).		
Isopropyl acetate, dms., c.l., E. of Rockies, frt. alld. lb.	.11	- —
l.c.l. E. of Rockies, same basis. lb.	.11½-	.12
tanks, E. of Rockies, same basis. lb.	.10	- —
Alcohol (see Alcohol, isopropyl).		
Ether, dms., c.l., dlvd. lb.	.06	- —
l.c.l. lb.	.06½-	—
tanks, dlvd. lb.	.04½-	—
Isopropylamine, dms., works. lb.	.25	- —

J

Jaborandi leaves, bls. lb.	.14	- .15
Jalap root, NF, bls. lb.	.34	- .36
powd., bbls., bxs. lb.	.40	- .42
Resin, lump, cns. lb.	5.85	- —
powd., bxs. lb.	5.90	- —
Juniper berries, dom., bgs. lb.	.35	- .70
Juniper tar, USP, dms. lb.	.85	- 1.00

K

Kamala, cns. lb.	.53	- .55
Kaolin (see China clay).		
Kava kava root, bls. lb.	.28	- .30
Kerosene, at refinery. Ark., 42-44 w.w., tanks. gal.	.05	- —
Bayonne, 41-43 w.w., tanks. gal.	.031	- —
California, 40-43 w.w., tanks, gal.	.07	- —
Gulf ports, 41-43 w.w., tanks, gal.	.04½-	.05
Okla-Tex., 41-43 w.w., tanks. gal.	.04875-	—
Penn., 45 w.w., tanks. gal.	.0655-	.0705
47 w.w., tanks. gal.	.0705-	—
Kola nuts, bgs. lb.	.11	- .12
Kyanite,[1] imp., low iron content, 10-mesh, whse. ton.	85.00	-95.00
calcined, grain, 10-mesh, whse. ton.	95.00	-105.00

L

Ladyslipper root, bls. lb.	1.35	- 1.40
Lanolin (see Adeps lanae).		
Lard,[1,7] pure, ref., tierces, c.l. lb.	.1547½-	—
prime steam, tierces, c.l. lb.	.1473-	—
Larkspur seed, bgs. lb.	.80	- .82
Laurel berries, bls. lb.	.25	- .26
Leaves, Cyprus, bls. lb.	.23½-	.23¾
Greek, bls. lb.	No stocks	
Portuguese, fair, bls. lb.	.13½-	.14
good, bls. lb.	.12½-	.13
Turkish, bls. lb.	.17	- .17½
Lavender flowers, medium, bls. lb.	.75	- .80
ordinary, bls. lb.	.35	- .43
select, bls. lb.	.90	- .95
Lead, acetate,[1] white, broken, bbls. lb.	.12½-	—
cryst., bbls. lb.	.12½-	—
gran., powd., bbls. lb.	.13¼-	—
Arsenate,[1,8] basic powder, 3-lb. bgs. or larger, c.l. lb.	.11½-	.12
l.c.l. lb.	.12	- .12½
1-lb. ctns., c.l. lb.	.16½-	.22½
l.c.l. lb.	.19	- .23
standard paste, cns., c.l. lb.	.05¾-	.06
l.c.l. lb.	.06	- .06¼
powder, 3-lb. bgs. or larger, c.l. lb.	.11	- .11½
1-lb. bgs., c.l. lb.	.16	- .20
l.c.l. lb.	.16½-	.20½
1-lb. ctns., c.l. lb.	.18	- .22
l.c.l. lb.	.18½-	.23½
½-lb. ctns., c.l. lb.	.21	- .25
l.c.l. lb.	.21½-	.25½

Inside column is maximum OPA prices for manufacturers or distributors; outside column for all other purchasers. Lead arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for works or whse. pick-ups.

Blue, basic sulphate, bbls., c.l., dlvd. E. lb.	.07½-	—
dlvd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo. lb.	.07¾-	—
l.c.l., dlvd. E. lb.	.07¾-	—
dlvd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo. lb.	.08	- —
Carbonate (see Lead, white).		
Chloride, fib. dms. lb.	.49	- —
Iodide, NF V. bots. lb.	2.80	- —
jars lb.	2.69	- —
Linoleate, pale, precip., bbls. lb.	.22½-	—
Metal,[1,5] (see Protective Coatings Materials market).		
Metallic paste, dms., works. lb.	No stocks	
Naphthenate, 24%-30% Pb. lb.	.14¼-	.17½
Nitrate, bbls. lb.	.12½-	—
Oleate, bbls. lb.	.17¾-	—
Peroxide, powd., tech., bbls. lb.	.23	- .28

Lead, red, 95% Pb_3O_4 or less, bbls., c.l. (20 tons), dlvd. Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash. lb.	.09¼-	—
other points. lb.	.09	- —
l.c.l., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. Cascade Mts. in Ore. and Wash. lb.	.09¾-	—
Ariz., Idaho, Nev., Utah, and E. of Cascade Mts. in Ore. and Wash. lb.	.10¼-	—
Colo., Mont., N. Mex., Wyo. lb.	.10	- —
other points. lb.	.09½-	—
smaller lots, Ala., etc. lb.	.10¼-	—
Ariz., etc. lb.	.10⅝-	—
Colo., etc. lb.	.10¾-	—
other points. lb.	.10	- —
in oil, kgs. lb.	.14	- —
97½% Pb_3O_4, bbls., c.l., dlvd. Ala., etc. lb.	.09¾-	—
other points. lb.	.09¾-	—
l.c.l., 5 tons, dlvd. Ala., etc. lb.	.10	- —
Ariz., etc. lb.	.10½-	—
Colo., etc. lb.	.10½-	—
other points. lb.	.10½-	—
smaller lots, dlvd. Ala., lb.	.10¾-	—
Ariz., etc. lb.	.10¾-	—
Colo., etc. lb.	.10¾-	—
other points. lb.	.10½-	—
98%, Pb_3O_4, bbls., c.l., (20 tons), dlvd., Ala., etc. lb.	.09¾-	—
other points. lb.	.09½-	—

Lead, red, 98% Pb_3O_4, bbls., l.c.l., 5 tons, dlvd. Ala., etc. lb.	.10¼-	—
Ariz., etc. lb.	.10⅝-	—
Colo., etc. lb.	.10¾-	—
other points. lb.	.10	- —
smaller lots, dlvd. Ala., etc. lb.	.10½-	—
Ariz., etc. lb.	.11¼-	—
Colo., etc. lb.	.11	- —
other points. lb.	.10½-	—
Resinate, precip., 23.8% Pb., dms. lb.	.17½-	—
Silicate, bgs. lb.	.0730-	.0780
Soyate, 26.15% Pb., dms. lb.	.22¼-	—
Stearate, bbls. lb.	.31	- .33
Sulphate (see Lead, blue; Lead, white, basic sulphate).		
Tallate, 10% Pb., dms. lb.	.08½-	—
Titanate, bgs., bbls., c.l., l.c.l., 5 tons, one delivery, E., frt. alld. lb.	.11¼-	—
Pac. Cst., ex whse. lb.	.11½-	—
smaller lots, E. frt. alld. lb.	.11½-	—
Pac. Cst., ex whse. lb.	.11¾-	—
White, basic carbonate, bbls., c.l., dlvd. Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash., and Wyo. lb.	.03½-	—
dlvd. other points. lb.	.03¾-	—
l.c.l., dlvd. Ariz., etc. lb.	.06¾-	—
other points. lb.	.08½-	—
basic sulphate, bbls., c.l., dlvd. Ariz., etc. lb.	.07½-	—
other points. lb.	.07¼-	—
l.c.l., dlvd. Ariz., etc. lb.	.08	- —
in oil, consumers, kgs. lb.	.13¾-	—
painters, kgs. lb.	.12¾-	—
Lecithin, edible, dms., c.l. lb.	.25¼-	—
l.c.l. lb.	.26½-	.45
in cocoa butter, dms., c.l. lb.	.39½-	—
l.c.l. lb.	.40¾-	.59

Lecithin, tech., dms., c.l. lb.	.25¼-	—
l.c.l. lb.	.26½-	.45
vegetable, pure, bots, 100 lbs. lb.	2.75	- —
Lemon peel, bls. lb.	.30	- .35
Licorice extract, mass, cns. lb.	.25	- .72
powd., bbls. lb.	.60	- .68
Root, Indian, bls. lb.	.12	- .14
powder, bbls. lb.	.18	- .20
Russian, bls. lb.	.12	- .18
Spanish, bls. lb.	.12	- .13
Turkish, bls. lb.	.12	- .15
Lignin extract, tanning grade, bgs., c.l., works. lb.	.04	- —
Lime, chemical (quicksilver) lump, pebble, Adams, Mass. ton.	8.00	- —
Annville, Pa. ton.	7.50	- —
Bellefonte, Pa. ton.	7.50	- —
Berkeley, W. Va. ton.	7.50	- —
Buffalo, N. Y. ton.	9.25	- —
Carey, Ohio. ton.	7.00	- —
Cedar Hollow, Pa. ton.	8.50	- —
Crab Orchard, Tenn. ton.	6.90	- —
Eagle Mountain, Va. ton.	7.65	- —
Farnams, Mass. ton.	8.00	- —
Gibsonburg, Ohio. ton.	7.50	- —
Hannibal, Mo. ton.	6.50	- —
Keystone, Ala. ton.	6.90	- —
Knoxville, Tenn. ton.	6.90	- —
Limedale, Ark. ton.	7.00	- —
Longview, Ala. ton.	6.90	- —
Manistique, Mich. ton.	8.00	- —
Marblehead, Ohio. ton.	7.50	- —
Martinsburg, W. Va. ton.	7.50	- —
Menominee, Mich. ton.	8.00	- —
Mitchell, Ind. ton.	6.50	- —
Newala, Ala. ton.	6.90	- —
Ripplemead, Va. ton.	7.65	- —
Riverton, Va. ton.	7.65	- —
Rockland, Maine. ton.	8.00	- —
Scioto, Ohio. ton.	6.50	- —
Sherwood, Texas. ton.	6.90	- —

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York, Pa.....ton. 7.50 - —
Hydrated, Adams, Mass....ton. 9.00 - —
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Carey, Ohio.....ton. 8.50 - —
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Crab Orchard, Tenn...ton. 9.65 - —
Eagle Mountain, Va...ton. 9.15 - —
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Hannibal, Mo.....ton. 8.50 - —
Keystone, Ala.....ton.10.65 - —
Knoxville, Tenn.....ton. 9.15 - —
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Longview, Ala.....ton. 9.65 - —
Manistique, Mich.....ton. 9.50 - —
Marblehead, Ohio....ton. 9.50 - —
Martinsburg, W. Va..ton. 9.00 - —
Menominee, Mich.....ton.
Mitchell, Ind.....ton. 9.00 - —
Newala, Ala.....ton. 9.65 - —
Petoskey, Mich.....ton. 9.00 - —
Port Island, Mich....ton. 9.00 - —
Rapid City, S. Dak...ton.12.00 - —
Ripplemead, Va.....ton. 9.15 - —
Rockland, Maine.....ton. 9.00 - —
Scioto, Ohio.....ton. 8.00 - —
Sherwood, Tenn.....ton.10.65 - —
Sherwood, Wisc.....ton.10.00 - —
Springfield, Mo.....ton. 9.00 - —
Woodville, Ohio.....ton. 8.50 - —
York, Pa.....ton. 9.00 - —
Spray, paper bgs., Adams, Mass..ton.10.00 - —
Annville, Pa.....ton.10.00 - —
Bellefonte, Pa.....ton.10.00 - —
Carey, Ohio.....ton.11.00 - —

Lime, spray, Farnams, Mass.ton. 9.50 - —
Gibsonburg, Ohio.....ton.10.00 - —
Marblehead, Ohio.....ton.10.00 - —
Rockland, Maine.....ton.10.00 - —
Scioto, Ohio.....ton.10.00 - —
Woodville, Ohio.....ton.10.00 - —
York, Pa.....ton.10.00 - —
Lime salts (see Calcium).
Lime-ammonia-nitrogen[6] 20.5%, N. (see Ammonia nitrate-limestone).
Linalool, cns.....lb. 7.75 - 7.80
Linalyl acetate, ex bois de rose, bots..lb. 8.50 - —
ex lignaloe wood, bots.....lb. 7.75 - 8.40
ex petitgrain, bots.....lb. 3.90 - 4.10
Linden flowers with leaves, bls. lb. .65 - .70
Linseed meal,[1,7] 34%, bulk, c.l. ton.45.00 - —
32%, bulk, c.l.....ton.45.00 - —
Litharge, com'l, powd. ,bbls., c.l. dlvd. Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo. and E. of Cascade Mts. in Ore. and Wash..lb. .08½- —
other points.....lb. .08 - —
l.c.l., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and Wash. lb. .08¾- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash..lb. .09½- —
Colo., Mont., N. Mex., Wyo..lb. .09 - —
other points.....lb. .08½- —

Litharge, com'l, powd., bbls., l.c.l., smaller lots, dlvd. Ala., etc..lb. .09¼- —
Ariz., etc.....lb. .09¾- —
Colo., etc.....lb. .09½- —
other points.....lb. .09 - —
Lithium bromide, bbls. 100-lb. lots, works, frt. equald..lb. 1.90 - —
smaller lots, works.....lb. 1.92 - 1.95
Carbonate, NF, bbls., kgs...lb. 1.25 - 1.30
Chloride, jars.....lb. 1.65 - 1.70
Citrate, bbls., dms., kgs....lb. 1.40 - 1.41
Fluoride, bbls.....lb. 2.45 - 2.60
Hydroxide, jars.....lb. 1.25 - 1.46
Iodide, bots.....lb. 5.20 - —
jars .....lb. 5.05 - —
Stearate, fib. dms., works....lb. .50 - —
Lithopone,[1] ordinary, bgs., c.l. (20 tons)..lb. .04¼- —
l.c.l. .....lb. .04½- —
bbls., c.l.....lb. .04¼- —
l.c.l. .....lb. .04¾- —
titanated (high-strength), bgs., c.l..lb. .0560- —
smaller lots.....lb. .0585- —
bbls., c.l.....lb. .0585- —
smaller lots.....lb. .0610- —
Lithopone, c.l., dlvd. Pac. Cst., ¼c. higher; l.c.l., ex whse. Pac. Cst., ½c. higher.
Liverwort leaves, bls.....lb. .65 - .70
Lobelia herb, bls.....lb. 1.10 - 1.15
Lobeline sulphate, bots., wks..oz.25.50 -38.00
Logwood extract, crystals, No. 1, bbls., l.c.l..lb. .34 - —
No. 2, bbls., l.c.l.....lb. .32 - —
liquid, No. 1, bbls., c.l....lb. .17 - —
No. 2, bbls., l.c.l.....lb. .16 - —
No. 3, bbls., l.c.l.....lb. .15½- —
No. 4, bbls., l.c.l.....lb. .15 - —
solid, No. 1, bgs., l.c.l....lb. .23 - —
No. 2, bxs., l.c.l.....lb. .26 - —
bbls., c.l., Zone 1.....lb. .09½- —
No. 4, bxs., l.c.l.....lb. .23 - —

Logwood extract, solid, No. 3, bgs., l.c.l..lb. .23¼- —
No. 5, bxs., l.c.l.....lb. .21¼- —
No. 6, bxs., l.c.l.....lb. .39½- .44½
Lovage root, American (ligusticum actae folium), bls..lb. 1.20 - 1.50
Lupulin, NF, tin.....lb.12.75 -18.00
Lycopodium, USP, cs.....lb. 1.75 - 2.00

M

Mace,[1,7] Amboyna, cs.....lb. .77 Nom.
Banda, cs.....lb. .98 Nom.
West Indian, bgs.....lb. .62 Nom.
No. 1, bgs.....lb. .60 Nom.
broken, bgs.....lb. .55 Nom.
Madder, Dutch, bbls.....lb. .24 - .30
Magnesia arsenate,[1] dms.....lb. .153 - .10
Calcined, tech., USP, bbls., works..lb. .26 - —
Carbonate, tech., bgs., c.l., l.c.l., Zone 1..lb. .07¼- —
bbls., c.l., Zone 1.....lb. .07½- —
l.c.l., Zone 1.....lb. .09¾- —
kgs., c.l., Zone 1.....lb. .09¾- —
l.c.l., Zone 1.....lb. .09¾- —
USP, bgs., c.l., Zone 1.....lb. .06 - —
l.c.l., Zone 1.....lb. .09 - —
bbls., c.l., Zone 1.....lb. .08½- —
l.c.l., Zone 1.....lb. .06½- —
kgs., c.l., Zone 1.....lb. .09¾- —
l.c.l., Zone 1.....lb. .10¾- —
Magnesia carbonate prices, basis Phillipsburg, N. J., and Plymouth Meeting, Valley Forge, Pa.; l.c.l. prices ¼c. lower, Zone 2, store delivery; store door delivery, both zones. Zone 1—Conn., Del., D. C., Md., Mass., N. J., N. Y., Pa., and R. I.; Zone 2, remainder of U. S.
Chloride, anhyd., bbls., dlvd.lb. .12¾- —
flake, bbls., c.l., works...ton.32.00 - —
l.c.l., works.....ton.39.00 -42.00
Fluoride, bbls.....lb. .20 - .21
Hydroxide, medicinal, bbls., dms., kgs..lb. .29 - .30
Hypophosphite, cns.....lb. 1.45 - —
Laurate, bbls.....lb. .33 - .35
Oxide (see Magnesia, calcined).
Peroxide, 15%, dms., works.lb. 1.00 - 1.35
Phosphate, tribasic, USP, bbls. lb. .60 - —
Silicate (see Talc).
Silicofluoride, bbls.....lb. .08 - .09
Stearate, ctns.....lb. .31 - .33
Sulphate (see Epsom salt).
Trisilicate, dms., 1,000-lb. contracts..lb. .37 - —
smaller lots.....lb. .42 - —
Magnesite, cal., powd., bgs., c.l., mines, Calif..ton.88.75 - —
dead-burnt,[1] bulk, c.l., Chewelah, Wash..ton.22.00 -32.00
Maleic anhydride, dms., c.l....lb. .25 - —
l.c.l. .....lb. .26 - —
Malva flowers, black, bls.....lb. No stocks
blue, bls.....lb. 1.50 - 1.60
Leaves, bls.....lb. .40 - .41
Manaca root, bls.....lb. .50 - .51
Mandrake root, bls.....lb. .53 - .54
Manganese acetate, dms.....lb. .25½- —
Arsenate,[6] bgs.....lb. .12 - .12½
Borate, tech., bbls.....lb. .16 - .18
Carbonate, bbls.....lb. .19 - —
Chloride, anhyd., bbls., wks..lb. .14 - .16
Dioxide, African, battery, 84%-87%, bbls., 28-40 tons, works..ton.74.00 - —
smaller lots, works..ton.77.00 -82.00
Caucasian, 85-90%, bbls., c.l., works..ton.74.00 - —
smaller lots, works..ton.77.00 -82.00
burlap bgs., c.l., works, ton.71.75 - —
l.c.l., works.....ton.74.75 -79.75
paper bgs., c.l., works.ton.70.00 - —
l.c.l., works.....ton.73.00 - —
Glycerophosphate, fib. dms., 1,000-lb. lots..lb. 3.05 - —
100-lb. lots.....lb. 3.15 - —
cns., 25 lbs.....lb. 3.27 - —
Hydrate, bbls., dlvd.....lb. .26 - —
Iodide, bots.....lb. 5.70 - —
jars .....lb. 5.55 - —
Linoleate, liquid, 4%, dms..lb. .20 - —
solid, precip., 6.2%, bbls..lb. .22 - —
Naphthenate, 6% Mn, dms..gal. .16 - —
Resinate, fused, 3½%, bbls..lb. .09 - .10½
precip., dms.....lb. .14½- .15½
Soyate, 8.2% Mn, dms.....lb. .22 - —
Sulphate, anhyd., dms., works, lb. No stocks
feed grade, 77-80%, bgs....lb. .04 - .05
fertilizer grade, 65%, bgs., c.l., dlvd. East..ton.50.50 - —
l.c.l., same basis, or Balto. or Cincinnati...ton.68.50 - —
industrial grade, 80%, bgs..lb. .05 - .05½
Tallate, 4%, Mn, dms.....lb. .09 - —
Mangrove bark,[1,6] E. Africa, 35% tannin, c.l., ex dock, U. S. ports..ton.63.00 - —
Manna, flake, large, cs.....lb. No stocks
small, cs.....lb. No stocks
Mannitol,[6] com'l, bbls., works.lb. .35 - .40
reagent, cs. or multiples, works..lb. .85 - —
Marjoram, Argentine, bls.....lb. .14 Nom.
California, French type, new crop, bls., Pacific Coast..lb. .84 - .85
Chilean, bls.....lb. .11 - .11½
Matico leaves, bls.....lb. .22 - .29
Menadione, USP, bots.....gram. .10 - —
Menthol, natural, USP, cns...lb. 5.00 - 5.25
synthetic, tech, cns.....lb. No prices
USP, laevo, cns.....lb. No prices
racemic, cns.....lb. 4.00 - 4.65
Menthyl salicylate, tins.....lb. 3.00 - 3.10
Mercurial ointment, USP, mild, 10%, tube..lb. .70 - .72
30%, pails.....lb. 1.30 - —
50%, pails.....lb. 1.88 - 1.90
Mercury bichromate (see Corrosive sublimate).
Bisulphate, dms.....lb. 2.30 - 2.61
Chloride (see Calomel).
Cyanide, cryst., powd.....lb. 3.86 - —
Iodide, red, NF, dms., kgs..lb. 4.30 - —
yellow, fib. dms., kgs.....lb. 4.38 - —
Nitrate ointment (see Citrine ointment).
Oxide, red, NF (see Red precipitate).
yellow, USP, fib. dms.....lb. 2.94 - 2.96
tech. (see Yellow, mercury oxide).
Mercury and chalk, dms.....lb. 1.66 - 1.76
Mesityl oxide, dms., c.l., dlvd..lb. .11½- —
l.c.l., dlvd.....lb. .12 - —
tanks, dlvd.....lb. .10½- —
Metal leaf, composition, 5½x5½ in..pkg. 3.00 - —
Gold X+, deep, 23, 3⅜x3⅜ in., pkg.15.00 - —
Silver, 3⅜x3⅜ in.....pkg. 3.00 - —
Metanitroparatoluidin, bbls....lb. 1.05 - 1.10
Metaphenylenediamine, kgs....lb. .65 - —
Metatoluylenediamine, kgs.....lb. .70 - —
Methanol,[1] natural, all grades, dms., c.l., E. of Miss. R. gal. .63 - —
l.c.l., same basis.....gal. .73 - —
tanks, same basis.....gal. .60 - —
Inside prices on natural methanol W. of Miss. R., 3c. higher.

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R-S-OH

A new Series—Interesting in both the Organic and Inorganic Fields

Available only in research quantities—potentially available commercially.

THE ALKANE SULFONIC ACIDS

Are strong, stable acids, non-reactive with paraffinic and aromatic hydrocarbons. Are effective but milder catalysts than sulfuric acid in typical reactions. Form many interesting organic derivatives. Form metal salts characterized by high water solubility, including those of lead and barium.

TYPICAL PROPERTIES

	[illegible] Sulfonic Acid	[illegible] Sulfonic Acid	[illegible] Sulfonic Acids
Molecular Weight	96	110	110-120
pH of 1% Solution	1.05	1.10	1.15
Solubility of Lead Salt (g./100g. aq. soln.)	59.2	67.3	———
Color	Yellow	Light Amber	Amber

Available in ½ and 1 pound packages, prices on request. Methane and ethane sulfonic acids are in limited supply—mixed acids available in larger quantities.

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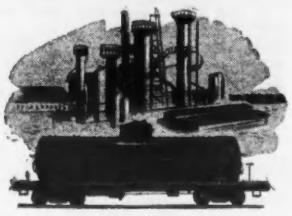
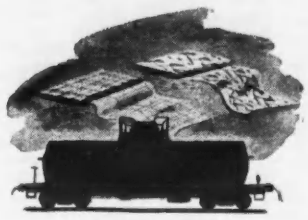


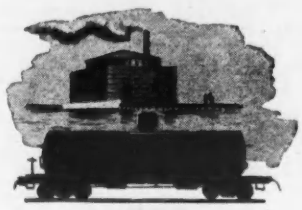
ALCOHOL

Clean, steel car, 6,000 to 10,000 gallon capacity.



CAUSTIC SODA

Heavily insulated steel car, with or without heater coils, 8,000 or 10,000 gallon capacity. Usually specially lined.



CHLORINE

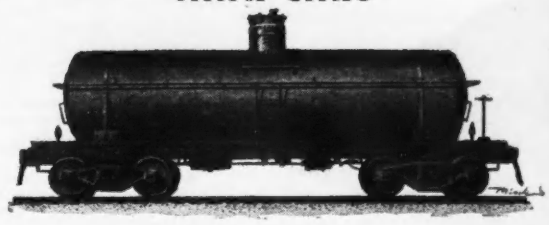
Insulated, welded car; built to withstand pressure up to 500 pounds; 15 or 30 ton capacity.

COTTONSEED OIL

Clean, steam coiled car of 8,000 gallon capacity.

FOR RENT

TANK CARS



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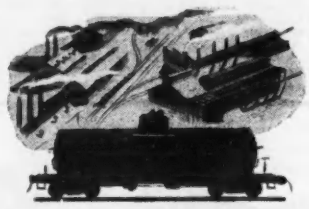
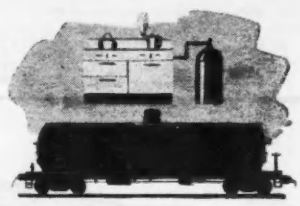
GENERAL AMERICAN TRANSPORTATION CORPORATION CHICAGO.



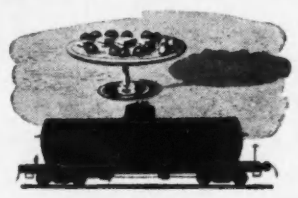
FUEL OIL

Steel car, steam coiled, 8,000 to 12,500 gallon capacity.



PROPANE

Heavily constructed car, welded and insulated. Built to withstand internal pressures to 300 pounds. Capacity 10,000 to 11,000 gallons.

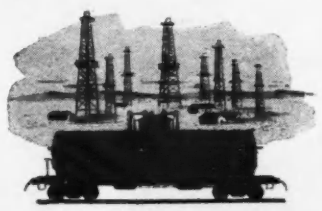


GLUCOSE

Clean, steam coiled with heavy truck capacity. Usually lined with aluminum paint.

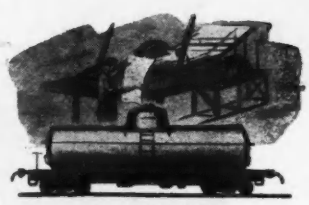
LUBRICATING OIL

Steel car, with steam coils, single or multiple compartment; usually 8,000 gallon capacity.



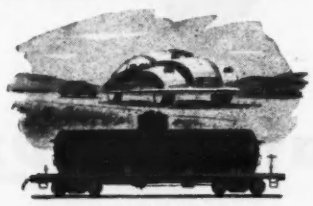
MURIATIC ACID

Car lined with pure or synthetic rubber; 8,000 to 10,000 gallon capacity.



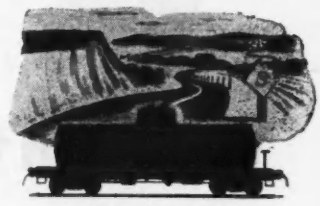
ACETIC ACID

Aluminum Car, 8,000 or 10,000 gallon capacity.



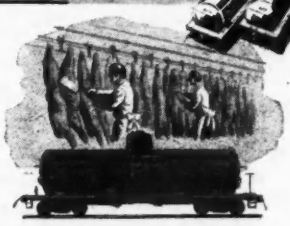
GASOLINE

Clean car, 6,000 to 12,500 gallons; single or multiple compartment.



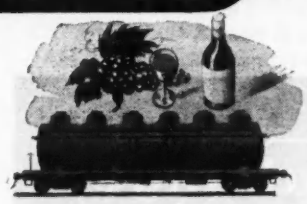
ASPHALT OR TAR

Heavily steam coiled car; with 2 or more inches of insulation; steam jacketed outlet; 8,000 to 10,000 gallon capacity.



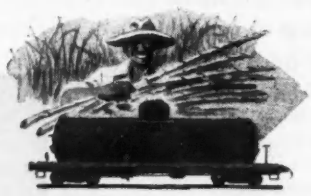
LARD

Clean steam coiled car, usually of 8,000 gallon capacity.



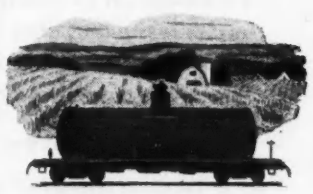
WINE

Insulated car with one to six compartments. Interior coated to preserve quality.



MOLASSES

Steam coiled car with heavy capacity trucks; 8,000 gallon capacity.



SULPHURIC ACID

Heavily constructed steel car with heavy truck capacity. Equipped to unload through dome.

Methanol, synthetic, dms., c.l., Zone 1, frt. alld..gal. .24 - —
2, frt. alld. or dlvd....gal. .34 - —
3, frt. alld.....gal. .38 - —
4, frt. alld.....gal. .38 - —
l.c.l., Zone 1, frt. alld. or dlvd..gal. .36 - —
2, frt. alld.....gal. .43 - —
3, dlvd. S. F. and L. A. gal. .41 - —
4, frt. alld. or dlvd...gal. .51½ - —
tanks, Zone 1, frt. alld...gal. .24 - —
2, frt. alld.....gal. .27 - —
3, frt. alld.....gal. .29 - —
4, frt. alld.....gal. .29 - —

Synthetic methanol zones are:—Zone 1—Conn., Del., D. C., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., Neb., N. H., N. J., N. Y., N. C., O., Pa., R. I., S. C., Tenn., Vt., Va., W. Va., and Wis. Zone 2—Ala., Ark., Col., Fla., Ga., Kan., La., Miss., N. Mex., N. Dak., Okla., S. Dak., Tex., and Wyo. Zone 3—Los Angeles and San Francisco. Zone 4—Ariz., Calif. (with exception of Los Angeles and San Francisco), Ida., Mont., Nev., Ore., Utah, and Wash. Buyers in zone 4 have the option of buying at the delivered zone 4 price or at the zone 3 price, f.o.b. Los Angeles and San Francisco.

Methyl abietate, non-ret. dms., c.l., dlvd..lb. .08½- —
10 dms., dlvd.....lb. .09½- —
1-9 dms., dlvd.....lb. .10½- —
hydrogenated, non-ret. dms., c.l., dlvd..lb. .12 - .15½
10 dms.....lb. .13½- .16¾
1-9 dms.....lb. .14½- .17¾
Acetate, CP, 97-99%, dms., c.l., E. of Miss..lb. .10½- .12
W. of Miss.....lb. .11½- .12
l.c.l., E. of Miss.....lb. .11 - .14
W. of Miss.....lb. .12 - .13½

Methyl acetate, CP, 97-99%, tanks, E. of Miss..lb. .09½- —
W. of Miss.....lb. .10½- —
tech., dms., c.l., E. of Miss. lb. .07 - .09
W. of Miss.....lb. .08 - —
l.c.l., E. of Miss.....lb. .07½- .11
W. of Miss.....lb. .08½- .10½
tanks, E. of Miss.....lb. .06 - —
W. of Miss.....lb. .07 - —
Acetoacetate, dms., c.l., works, frt. alld..lb. .30½- —
Acetone, natural, Group A, dms., incl. E. of Miss., frt. alld..gal. .66 - —
l.c.l., same basis....gal. .76 - —
tanks, same basis....gal. .60 - —

Natural methyl acetone prices W. of Miss. R., 3c. per gal. higher.

Group B, dms., c.l., Zone 1, frt. alld..gal. .63 - —
Zone 2, same basis.gal. .65 - —
Zone 3, same basis.gal. .67 - —
Zone 4, same basis.gal. .69 - —
l.c.l., Zone 1, same basis. gal. .66 - —
Zone 2, same basis.gal. .83 - —
Zone 3, same basis.gal. .70 - —
Zone 4, same basis.gal. .83 - —
tanks, Zone 1, same basis. gal. .60 - —
Zone 2, same basis.gal. .62 - —
Zone 3, same basis.gal. .64 - —
Zone 4, same basis.gal. .64½- —

Natural methyl acetone zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis. Zone 2—Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo. Zone 3—Los A., San Fran., Seattle, Wash.; Portland, Ore. Zone 4—Ariz., Cal., Idaho, Mont., N. Mex., Nev., Ore., Utah, Wash.

Methyl acetone, synthetic, dms., c.l., Zone 1..gal. .51 - —
Zone 2.....gal. .52 - —
Zone 3.....gal. .53½- —
Zone 4.....gal. .54½- —
l.c.l., Zone 1.....gal. .54½- —
Zone 2.....gal. .57 - —
Zone 3.....gal. .58 - —
Zone 4.....gal. .59½- —
tanks, Zone 1.....gal. .43 - —
Zone 2.....gal. .44½- —
Zone 3.....gal. .45½- —
Zone 4.....gal. .45½- —

Synthetic methyl acetone zones are:—Zone 1—Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., S. C., Tenn., Vt., Va., W. Va., Wis. Zone 2—Ala., Ark., Col., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. D., Tex., Wyo. Zone 3—Los Angeles, Cal.; San Francisco, Cal.; also (c.l. only) Portland, Ore. and Seattle, Wash. Zone 4—Ariz., Cal., N. Mex., Mont., Nev., Idaho, Ore., Utah, Wash.

Alcohol (see Methanol).
Anthranilate, dms.....lb. 1.80 - 1.85
bots., cns.....lb. 2.20 - 2.35
Benzoate, cns.....lb. .48 - .51
Benzoate, cns.....lb. .45 - .47
cyls.....lb. .65 - .75
Chloride, refrigeration, cyls., 500 lbs. and up, machine mfrs. and jobbers, cylinders..lb. .32 - —

Methyl chloride, refrigeration, service men and consumers, cyl..lb. .36 - —
60 to 499 lbs., mach. mfrs. and jobbers..lb. .36 - —
service men and consumers..lb. .40 - —
tanks, multi-unit, machine mfrs. and jobbers..lb. .31 - —
service men and consumers..lb. .36 - .40

Methyl chloride quotations are spot or contract, ship. point; prices above are in tl, 90 and 180-lb. cylinders; 20-lb. cylinders, 10c. per pound higher.

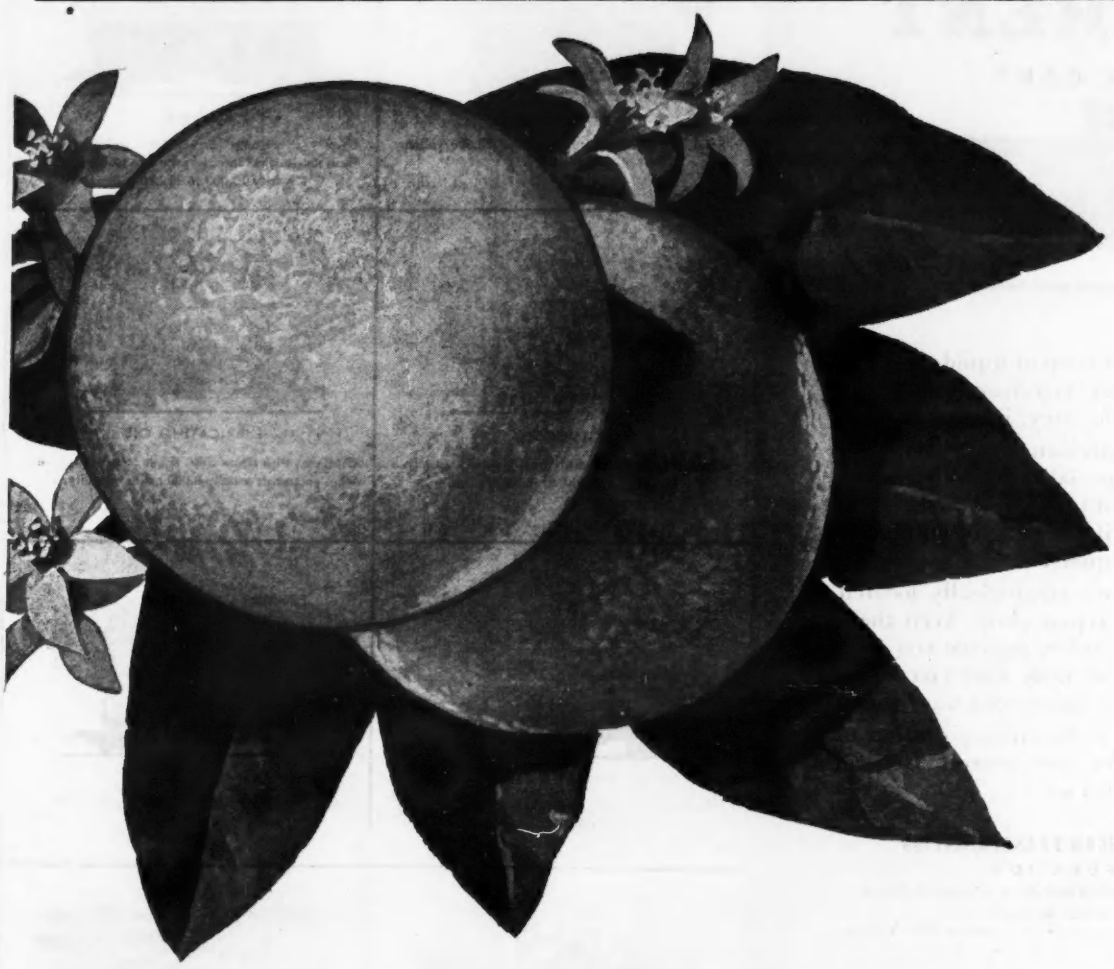
Cinnamate, cns.....lb. 2.50 - 3.50
Formate, dms.....lb. .89 - —
Iodide, bots.....lb. 4.00 - 4.15
Lactate, dms., c.l., dlvd.....lb. No stocks
Oleate, dms., c.l.....lb. .35 - —
Salicylate,[1] dms., 500 lbs....lb. .37 - —
25-50 lbs.....lb. .37 - .38
Methylamyl ketone, cns., dms., works..lb. No stocks
Methylcellulose, special, vis. (4,000 cps.) fib. ctns., 2,000 lbs. or more, frt. alld..lb. .60 - —
smaller lots, frt. alld....lb. .65 - .70
standard vis. (15-1,500 cps.), fib. ctns., 2,000 lbs. or more, frt. alld..lb. .53 - —
smaller lots, frt. alld....lb. .58 - .63
Methylcyclohexane, 98-100%, dms., works..lb. .16 - —
Methylcyclohexanol, 98-100%, dms., works..lb. .23 - —
Methylcyclohexanone, 98-100%, dms., works..lb. No stocks
Methylene blue, USP, kgs. 100 lbs. 2.00 - 2.15
cns., 5 lbs.....lb. 2.35 - —
Chloride, refrig., dms., wks..lb. .18 - .28
solvent, dms., works.....lb. .12 - .15
Methylethyl ketone, dms., dlvd. lb. .09 - —
l.c.l., dlvd.....lb. .09½- —
tanks, dlvd.....lb. .08 - —
Methylhexyl ketone, dms., tech., works..lb. .60 - —
Methylisobutyl carbinol (see Carbinol, methylisobutyl).
Methylisobutyl ketone, dms., c.l., dlvd..lb. .11½- —
l.c.l., dlvd.....lb. .12 - —
tanks, dlvd.....lb. .10½- —
Methylnaphthyl ketone, cns...lb. 3.25 - 3.75
Methylpentanediol, dms., c.l., works..lb. .16 - —
l.c.l., works.....lb. .16½- —
1 and 5-gal. cont., works..lb. .20½- .23½
tanks, works.....lb. .15 - —
Mica, dry-grd., paint, plastic, 100 mesh, bgs., c.l., works.ton.47.50 - —
l.c.l., works.....ton.51.00 - —
roofing, 20 mesh, bgs., c.l., works..ton.32.50 -33.00
l.c.l., works.....ton.38.00 -40.00
30-31 mesh, bgs., c.l., works, ton.32.50 -35.00
l.c.l., works.....ton.37.50 -40.00
40-45 mesh, bgs., c.l., works, ton.32.50 -35.00
l.c.l., works.....ton.37.50 -40.00
80 mesh, bgs., c.l., works, ton.40.00 -42.50
l.c.l., works.....ton.44.00 -45.50
graphitic, bulk, Pa., mines, ton.80.00 - —
wet-grd., biotite, bgs., c.l., works, frt. alld. E..lb. .04½- —
l.c.l., ex whse., or frt. alld. E..lb. .05 - —
extra fine, bgs., c.l., works, frt. alld. E..lb. .04¾- —
l.c.l., ex whse. or frt. alld. E..lb. .05¼- —
paint or lacq., bgs., c.l., works, frt. alld. E..lb. .05½- —
l.c.l., ex whse. or frt. alld. E..lb. .06 - —
rubber, bgs., c.l., works, frt. alld. E..lb. .05¼- —
l.c.l., ex whse. or frt. alld. E..lb. .05¾- —
wallpaper, bgs., c.l., works, frt. alld. E..lb. .05½- —
l.c.l., ex whse. or frt. alld. E..lb. .06 - —
white, extra fine, bgs., c.l., works, frt. alld. E..lb. .06½- —
l.c.l., ex whse. or frt. alld. E..lb. .07 - —

Mica, wet-grd., W. of Miss. R., ½c. higher; W. of Rockies, ¾c. higher.

Milk powder,[1,7] skimmed, roller, bulk, c.l..lb. .14¼- —
spray, bulk, c.l.....lb. .13¾- —
whole, roller, bbls., c.l.....lb. .29 - —
spray, bbls., c.l.....lb. .30 - —
Milk sugar,[1] bbls., c.l., works.lb. .26 - —
l.c.l., works.....lb. .26¾- .27¼
Mineral spirits (see Petroleum, mineral spirits).
Molasses,[1,4] blackstrap, tanks, works, Area 1..gal. .18 - —
Area 2.....gal. .18½- —
Area 3.....ton.26.00 - —
Area 4.....ton.29.00 - —
tanks, Area 5.....ton.34.00 - —

Area 1, Fla., Ga., La., Tex.; Area 2, Mass., Md., N. J., N. Y.; Area 3, Calif.; Area 4, Colo., Idaho, Kan., Mont., Neb. (excepting Grand Island), S. D., Utah, Ore., Wash., Wyo.; Area 5, Ia., Md., Mich., Minn., Grand Island, Neb., Ohio, Wis.

Molybdate orange (see Orange, molybdate).
Molybdenum metal,[1,6] kgs., 99%, powd..lb. 2.60 - 3.00
Trioxide,[1,3] pure, kgs., works, basis Mo. content..lb. .95 - —
technical, kgs., works, basis Mo. content..lb. .80 - —
Monoamylamine, dms., c.l., works, basis 100%..lb. .61 - —
l.c.l., works, basis 100%..lb. .64 - —
Monochlorobenzene, dms., c.l., works..lb. .05½- —
l.c.l., works.....lb. .07 - .09
Monoethanolamine, dms., c.l., frt. alld. E..lb. .24 - —
l.c.l., same basis.....lb. .25 - —
tanks, same basis.....lb. .23 - —
Monoethylamine, dms., c.l., works, basis 100%..lb. .17 - —
l.c.l., works, basis 100%...lb. .18 - —
tanks, 100% basis, works....lb. .15 - —
Monomethylamine, dms.....lb. .65 - —
Monomethylpara-aminophenol sulphate, dms..lb. 2.40 - 2.90
Monosodium phosphate (see Soda phosphate, monobasic).
Morphine, bots., 5 ozs.....oz.11.10 - —
cns., 25 ozs.....oz.10.90 - —
Acetate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Hydrobromine, 5 ozs.....oz. 8.90 - —
cns., 25 ozs.....oz. 8.75 - —
Hydrochloride, bots., 5 ozs..oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Sulphate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —



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Exchange
OIL OF
ORANGE
U. S. P.

Morpholine, dms., l.c.l., works, lb. .67 - —
smaller containers, works...lb. .75 - —
Mullein leaves, cns.....lb. .12 - .13
Musk, nat., Tonquin, grains, bots., oz.55.00 -60.00
synthetic, ambrette, cns., 100 lbs., or more..lb. 4.00 - 9.10
25 lbs.....lb. 4.10 - 9.20
5 lbs.....lb. 4.25 - 9.45
ketone, cns., 100 lbs. or more..lb. 4.15 - 9.25
25 lbs.....lb. 4.25 - 9.35
5 lbs.....lb. 4.40 - 9.70
xylol, dms.....lb. 1.40 - 2.00
25 lbs.....lb. 1.50 - 2.00
5 lbs.....lb. 1.65 - 2.00
Muskroot, bls.....lb. 2.25 - 2.30
Mustard seed, Calif., brown, bgs. lb. .14½- .15
yellow, bgs.....lb. .21 Nom.
Danish, yellow, bgs.....lb. .25½- .25⅝
Montana, brown, bgs.....lb. .11 - .11½
oriental, bgs.....lb. .11½- .12
yellow, bgs.....lb. .26 - .26½
Swedish, bgs., futures.....lb. .38 - .38½
Washington, yellow, bgs...lb. .26 Nom.
Myrobalans,[1] whole J1, U. S. J2, same basis.....ton.50.00 - —
J2S same basis.....ton.50.00 - —

N

Naphtha, painters (see Petroleum naphtha, V. M. & P.).
Solvent (see S).
Naphthalene, crude, dom., 74°, bgs., c.l., frt. equald..lb. .03 - —
bbls., c.l., same basis...lb. .031 - —
tanks, same basis.....lb. .0276- —
78°, bgs., c.l., same basis.. lb. .0325- —
bbls., c.l., same basis...lb. .0325- —
tanks, same basis.....lb. .03 - —
refined, balls, flakes, bbls., wholesalers and jobbers, works..lb. .08 - —
50-lb. cs., same basis....lb. .08¼- —
1-lb. pkgs., same basis...lb. .08½- —
Neocinchophen, USP, dms.....lb. 7.00 - 7.10
Nepheline syenite,[4] glass grade, 24 mesh, bulk, Rochester, N. Y..ton.12.00 - —
pottery grade, 200 mesh, bulk, Rochester, N. Y..ton.15.50 - —
Nepheline syenite in bgs. is $2 per ton higher than bulk.
Nerolin, crys., cns.....lb. 1.70 - 1.80
Niacin (see Acid, nicotinic).
Nickel, carbonate, bbls.....lb. .36 - .36¼
Chloride, bbls.....lb. .18 - .20
Cyanide, bots., dms.....lb. No stocks
Oxide, black, bbls.....lb. .35 - .38
Salt, bbls.....lb. .13 - .13½
Nicotine sulphate, 40%, dms., 50 lbs. to dealers, frt. allowed over 96 lbs..lb. .8660- —
tins, 10 lbs.....lb. 1.015 - —
Nicotinamide, USP, dms....kllo.11.00 -11.30
Niketham ide, bots., cbys.....lb. 9.00 -12.00
Nitercake, bulk, works.....ton.16.00 - —
Nitrobenzene, dbl. dist., dms., c.l., lb. .08 - —
l.c.l.....lb. .09 - —
tanks.....lb. .07 - —
Nitrocellulose, alcohol-soluble, ⅛ sec., 30-35 cps., bbls., works, dry weight..lb. .28 - —
5-6, 40-60 cps., same basis, lb. .27 - —
ester-soluble, ¼, ½ sec., 30-35 cps., bbls., works, dry weight..lb. .26 - —
5-6, 15-20 cps. and higher, bbls., works, dry weight, lb. .25 - —
Nitrocellulose:—Denatured alcohol used in manufacture is charged extra. Barrels extra, but returnable.
Nitroethane, dms., works.....lb. .25 - —
Nitrogen solut., tanks.....ton.108.21 - —
Prices adjusted to ammonia sulphate basis from ports, and anhydrous ammonia basis, Hopewell, Va., bulk, works.
Nitrogenous process tankage,[1,7] bulk, works..unit-ton. 3.15 - 3.50
Sewage sludge,[1] bulk, works, unit-ton, 2.00 + .40 - 3.00 + .40
Nitromethane, dms., c.l., works, lb. .25 - —
Nitronaphthalene, bots.....lb. .24 - .25
Nitropropane I, dms., works..lb. .25 - —
II, dms., works.....lb. .25 - —
Nutgalls,[8] Aleppo, bgs.....lb. .52 - .54
Chinese, bgs.....lb. No stocks
Nutmegs,[1,7] West Indian, No. 1, futures..lb. .34½- .34⅝
Nux vomica, bls.....lb. .10 - .11
powder, bbls., bxs.....lb. .13 - .14

O

Oakbark extract,[1,9] 25% tannin, bbls., c.l., works..lb. No stocks
Octane,[1] 100° C-140° C, industrial grade, dms., c.l., G.3..gal. .15½- —
l.c.l., G. 3.....gal. .29 - —
10 gals., G. 3.....gal. .55 - —
tanks, G. 3.....gal. .13 - —
Octanol, normal, tech., 300-lb. dms., dlvd..lb. .35 - —
Oil, almond, artificial (see Benzaldehyde).
Bitter, F.P.A., bots.....lb. 4.00 - 5.00
USP, bots.....lb No prices
sweet, exp., dms., cns.....lb. 1.10 - 1.35
Angelica root, bots.....lb.120.00 -140.00
Seed, bots.....lb. No stocks
Anilin (see A).
Anise, Russian, USP, cns....lb. 4.00 - —
Chinese, dms.....lb. 3.00 - 3.50
Apricot kernel, cns.....lb. .48 - .55
Avocado cns., dms.....lb. 1.00 - 1.10
Babassu,[1,7] tanks.....lb. .1110- —
Bay, W. I., 50-55% cns.....lb. 1.40 - 1.65
Puerto Rican, 50-55%, cns..lb. 1.58 - 1.75
Bergamot, artif., cns.....lb. 2.25 - 6.00
natural, Italian, cns.....lb. 8.00 -10.00
Birch (see Oil, sweet birch).
Birchtar, crude, cns.....lb. 5.00 - 6.00
rectified, cns.....lb. No stocks
Bois de rose, Brazil, cns.....lb. 5.00 - 5.25
Mexican (see Oil, lignaloe wood).
Bone, dms., works.....gal. .65 - .70
Cade, USP IX (see Juniper tar).
Cajeput, tech., dms.....lb. 2.25 - —
redistilled, USP IX, cns....lb. 2.40 - —
Calamus, cns.....lb.20.00 -24.00
Camphor, synthetic, white, cns. lb. .20 - .40
Cananga, native, cns.....lb. 8.00 -10.00
rectified, cns.....lb.10.50 -12.50
Capsicum (see Capsicum, oleoresin).
Caraway, NF, cns.....lb. 8.00 -10.25
Cardamom, bots.....lb.20.00 -22.50
Cassia, USP, cns.....lb. 8.50 -11.00
Castor,[1] blown, ret. dms., c.l. lb. .16½- —
l.c.l.....lb. .17½- —
cold pressed, USP, cns....lb. .17 - .19
dms., c.l.....lb. .15 - —
l.c.l.....lb. .15½- —
tanks.....lb. .1450- —
Oil, castor, dehydrated, bodied, dms., c.l..lb. .1975- —
l.c.l.....lb. .2015- —
tanks.....lb. .1935- —
unbodied, dms., c.l.....lb. .1875- —
l.c.l.....lb. .1915- —
tanks.....lb. .1835- —
No. 3, tech., dms., c.l....lb. .14¾- —
l.c.l.....lb. .15½- —
tanks.....lb. .14 - —
sulphonated, 50% (48% fat), dms., c.l..lb. .10 - .10¼
l.c.l.....lb. .10½- .11
75% (63% fat), dms., c.l..lb. .12½- .12⅝
l.c.l.....lb. .13 - .13⅛
80% (68% fat), dms., c.l..lb. .12⅝- .13
l.c.l.....lb. .13¼- .13⅝
Cedarleaf,[1] USP, cns., dms..lb. 2.55 - 2.65
Cedarwood, USP, cns., dms..lb. 1.00 - 1.15
Celery, bots.....lb.16.50 -18.00
Chaulmoogra, USP, cns.....lb. .60 - .70
Chinawood (see Oil, tung).
Cinnamon bark, bots.....lb.32.50 -45.00
leaf, dms.....lb. 1.40 - 1.85
Citronella, Ceylon, cns.....lb. 1.75 - 1.85
Clove, USP, cns.....lb. 1.50 - 1.85
Coconut,[1,7] crude, Ceylon, bulk, c.i.f., N. Y..lb. .0585- —
Cochin type, bulk, c.i.f. N. Y..lb. .0935- —
Manila, bulk, c.i.f. N. Y..lb. .0835- —
ret. dms.....lb. .0885- .0985
edible, ex tax, bulk.....lb. .0965- —
Cod, Newfoundland, dms....gal. .88 - .90
tanks.....gal. .86 - —
Codliver, USP, bbls., dms..gal. 2.15 - 3.25
Coriander, bots.....lb.19.00 -35.00
Corn,[1,7] crude, tanks, works.lb. .12⅝- —
edible, dms., l.c.l.....lb. .16¼- .16½
tanks.....lb. .1502- —
foots, acid, 95%, tanks, dlvd. E..lb. .07¼- —
raw, 50%, tanks, dlvd. E.lb. .06½- —
Cottonseed,[2,7] crude, tanks, works..lb. .12½- .13⅛
Oil, cottonseed foots, acid 95%, tanks, dlvd. E..lb. 07⅜- —
raw, 50%, tanks, dlvd. E. lb. .03⅝- —
salad, l.c.l., dms.....lb. .16¾- .17
Creosote (see C).
Croton, NF, cns.....lb. No prices
Cubeb, cns.....lb. No prices
Crude (see Petroleum, crude).
Cumin, bots.....lb.22.00 - —
Cypress, bots.....lb.12.00 -16.00
Degras (see D).
Dillseed, bots.....lb. 6.00 - 7.00
Dillweed, bots.....lb. 4.25 - 4.75
Dip (see D).
Erigeron, cns.....lb. 2.25 - 2.40
Eucalyptus, 80-90%, cns.....lb. 1.18 - 1.40
Fennel, sweet, cns.....lb. 3.75 - 4.50
Fir, Canada, cns.....lb. 2.50 - 2.80
Fishliver,[1] dms., less than 40,000 A units per gram... per million units. .14 - —
for each 1,000 additional A units up to 200,000 per gram. per million units. .001 - —
200,000 or more A units.... per million units. .30 - —
Fuel (see Petroleum, fuel oil).
Garlic, pure, bots.....oz.15.00 - —
Gaultheria (see OR, wintergreen).
Geranium, Algerian, cns....lb. No stocks
Bourbon, cns.....lb.16.50 -22.00
Russian, cns.....lb. No stocks
Turkish (see Oil, palmarosa).
Ginger, dist., bots.....lb.12.00 -14.00
Grapefruit, cns.....lb. 2.05 - 2.75
Grease, common, No. 1, bbls., c.l..lb. .14 - —
extra, No. 1, bbls., c.l.....lb. .14½- —
Winter strained, bbls., c.l..lb. .15 - —
prime, burning, bbls., c.l..lb. .16 - —
inedible, bbls., c.l.....lb. .15½- —
Guaiacwood, cns.....lb. 3.00 - 4.00
Hemlock, cns.....lb. 2.60 - —
Oil, herring,[1] crude, tanks, Pac. coast..lb. .099 - —
Juniper, berry, dom., bots....lb. 6.50 - 8.50
Juniper tar, USP (see Juniper Tar).
Juniper wood, tech., cns....lb. .90 - 1.00
Lard oil (see Oil, grease).
Laurel, bots.....lb. No prices
Lavandin, cns.....lb. 5.05 - 5.50
Lavender flower, French, 38%-42% ester, cns..lb.13.00 -17.00
30-32% ester.....lb. 8.50 - —
Russian, cns.....lb.14.50 - —
spike, Spanish, pure, cns...lb. 2.65 - 3.10
tech., cns.....lb. 2.35 - 2.50
Lemon, USP, Calif., cns.....bl. 3.25 - —
Messina,[1] cns.....lb. No stocks
Terpeneless, bots.....lb.42.00 -50.00
Lemongrass, cns., dms.....lb. 2.95 - 3.85
Lignaloe seed, Mexican, cns. lb. No stocks
wood, Mexican, cns.....lb. 4.50 - —
Brazilian (see Bois de Rose).
Lime, distilled, Mexican, cns. lb. 5.75 - 7.25
West Indian, cns.....lb. 6.00 - 7.50
expressed, West Indian, cns. lb.14.00 -15.00
Linseed,[1,7] raw, dms., c.l....lb. .1550- —
l.c.l.....lb. .1600- .1660
tanks.....lb. .1470- —
tankwagon.....lb. .1470- —
Boiled linseed oil, .004 higher than raw.
Linseed, replacement, dms., c.l. lb. .1400- .1550
tanks.....lb. .1420- .1470
Lubricating,[1] at refinery, ex tax, California, neutral, pale, 200-800 vis., 2¼-4 pour, tanks..gal. .07⅛- .11
red, 200-900 vis., 4-6½ pour, plus tanks..gal. .07⅛- .11¼
Group 3, bright stock, 150-160 vis., 0.25 pour, tanks, gal. .23 - —

WAR YEARS HAVE BEEN PRODUCTIVE IN THE RESEARCH FIELD

n-HEXYL SALICYLATE Is of value in Fougere type odors. It has exceptional floralcy.
ALPHA METHYL CINNAMIC ALDEHYDE Used in Jasmin odors, where a floral note is desired.
CHERIOL For use in both flavors and perfumes. It is interesting in wild cherry flavors. It has a woody after-note which makes it attractive in perfumes of many types.
DIASMOL Is used in Jasmin odors and floral odors generally. It has a green, leafy note which is found in natural Jasmin.
RESEDALIA A chemical which is present in many well known perfumes. It gives a very interesting and unusual note.
CYCLAMAL ACETAL An interesting development of this well known product. Fainter in aroma than Cyclamal, it is extraordinarily stable.
ALDEHYDE 3-A Has a leafy floral note.
KETONE 12-A Is of value in all types of Violet bouquets, wherever Ionones are used and a special Ionone note is desired.
GLYCIDOL Is valuable in Walnut and Butter flavors.
LILANAL Has a leafy rose note and is an excellent Lily of the Valley base. It is soft and fine.
ROSANOL A rose leaf note, reminding of Bromstyrol, but very much finer.
2-ETHYL HEXYL SALICYLATE
CYCLOKETAL Is of value in Russian Leather type perfumes.
b-ETHOXY SALICYLATE
b-ETHOXY ETHYL SALICYLATE
FOLIANOL
n-OCTYL SALICYLATE
n-BUTYL SALICYLATE
AMBRIOL A very stable and lasting product, with an Amber note. It is of value particularly in cream odors and is also a fine underlying odor for many types of soap perfumes.
GERANIUM BODY Enhances the odor of Oil of Rose Geranium. It is exceptionally valuable in soap perfumery. Its value is not apparent until actually tried and age tests are made of the finished product, when it shows to great advantage.
b-METHOXY ETHYL SALICYLATE
ETHYL HEXYL SALICYLATE
FIXATONE Is a high boiling point fixative for soap perfume.
LILANTHAL Is of value in all types of Lilac perfume.
JASMINOL Similar to Alpha Amyl Cinnamic Aldehyde, but very stable. Of much finer odor.
CUIRUSAL Is an interesting odor for the development of new type perfumes.
SALIXOL A light, pleasing Cinnamic Willow Bark note. It is of interest both in flavors and perfumes.
CUMINONE An odor note similar to Cuminic Aldehyde, but much softer and finer.
ACASOL Of value both in perfumes and flavors.
MUGINOL For Lily of the Valley type perfumes.
FLORAFAL Of a floral leafy character.

Information in regard to these, together with samples, will be furnished on request on your firm's letterhead. A preview of what is coming in the aromatics field is yours for the asking.

ESTABLISHED 1910 GD AROMATICS DIVISION

Aromatics Division
GENERAL DRUG COMPANY
125 Barclay St., New York 7, N. Y.
9 S. CLINTON ST., CHICAGO 6 1919 ELLIOTT ST., W. WINDSOR, ONT

Oil, lubricating, at refinery, ex tax, group 3, neutral, 200 vis., No. 3, col., 0-10 pour, tanks..gal. .16 - —
200-300 vis., No. 3, col., 15-25 pour, tanks, gal. .15 - .16
Pa., bright stock, 145-155 vis., No. 3 color, 10-25 pour, tanks..gal. .25 - .30½
cylinder oils, 600-630 flash, tanks..gal. .16 - .17
600-650 steam, refd., tanks..gal. .15 - .15½
neutral, 70° F., No. 3 color, 150 vis., 25 pour, tanks..gal. .26 - .31
300 vis., 25 pour, tanks, gal. .28 - .33
Mace, dist., cns., dms.....lb. 4.75 - 5.25
Mandarin, Brazilian, cns....lb. 6.00 -10.00
Menhaden,[1,7] crude, tanks, Balto..lb. .0890- —
refined, alkali, dms., l.c.l..lb. .1400- —
kettle-bodied, dms., l.c.l..lb. .1500- —
light-pressed, dms., l.c.l..lb. .1300- —
tanks .....lb. .1225- —
Mineral, white (see Oil, white mineral).
Mustard, artif., USP, cns....lb. 1.45 - 1.65
Seed, exp., dms., extra....lb. .14¾- —
Neatsfoot,[1] 15°, bbls.....gal. 1.80 - 1.85
20°, bbls.....gal. 1.75 - 1.80
30°, bbls.....gal. 1.55 - 1.60
pure, bbls.....lb. .15½- .16¼
Neroli, French, bots.....lb.230.00 -300.00
Haitian, bots.....lb.195.00 -200.00
Otticica,[1] liquid, dms., c.l..lb. .25½- —
l.c.l. .....lb. .25½- —
Oleo,[1] extra, dms., Chicago..lb. .1304- —
prime, dms., Chicago.....lb. .1275- —
Olibanum, bots.....lb. 4.75 - 5.20
Olive, denat., dms.....gal. No stocks

Oil, olive, edible,[1] Calif., 3°-1½° f.f.a., dms., extra, works. gal. 4.30 - 4.50
imported, dms.....gal. No stocks
foots,[1] dom., dms., c.l....lb. .18 - —
tankcars, works.....lb. .17 - —
imp., dms., c.l., ex dock, lb. .18 - —
tankcars, ex dock....lb. .17 - —
sulphonated, 50% (40% fat), dms., c.l..lb. No stocks
l.c.l. .....lb. No stocks
80% (68% fat), dms., c.l.lb. No stocks
l.c.l. .....lb. No stocks
85% (68% fat), dms., c.l.lb. No stocks
l.c.l. .....lb. No stocks
Orange, sweet, dist., cs.....lb. 1.25 - 1.35
expressed, USP, Brazilian, cns..lb. 1.35 - 1.65
Calif., cns.....lb. 1.60 - 2.00
Florida, cns., dms.....lb. 1.45 - 1.73
Messina, coppers.....lb. No stocks
West Indian, cns.....lb. 2.25 - 3.75
sesquiterpeneless, bots.....lb.100.00 -112.00
Origanum, Spanish, cs.....lb. 2.40 - 2.85
Palm,[1,7] Niger, dms.....lb. .0865- —
Palmarosa, cns.....lb. 7.75 - 8.00
Palmkernel,[1,7] crude, bulk, c.i.f. N.Y..lb. .0885 Nom.
Paraffin,[1] 300° flash, 100-110 vis., tanks, G.3..gal. .03¾- —
320° flash, 60-70 vis., tanks, G.3..gal. .05¼- —
350° flash, 70-80 @ 100 vis., 0/10 pour, G.3..gal. .08 - —
80-85 vis., 0/10 pour, bbls., extra, ind. ref'y..gal. .12 - —
100-110 vis., 0/10 pour, same basis..gal. .08½- —
10/25 pour, same basis.gal. .08¼- —
Patchouli, cns.....lb. No stocks
Peanut,[1,7] bleached, deod., tanks, dlvd. E..lb. .1501- —
crude, tanks, works.....lb. .12⅞- .13⅜

Oil, peanut, foots, acid, 95%, tanks, dlvd. E..lb. .08 - —
raw, 50%, tanks, dlvd. E..lb. .04 - —
hydrogenated, tanks, dlvd. E., lb. .1573- .1575
Pennyroyal, dom., dms., cns.lb. 3.25 - 3.50
import, cns.....lb. 3.35 - 4.00
Peppermint,[1] natural, dms..lb. 6.25 - 7.00
redist., USP, dms.....lb. 6.65 - 7.50
Perilla, crude, dms.....lb. No stocks
Petitgrain, Paraguay, cns., dms..lb. 3.50 - 3.75
Pimento, berry, dms.....lb. 6.85 - 8.00
leaf, cns.....lb. 3.05 - 5.75
Pine,[1] ret. dms., c.l., dlvd. E. gal. .63 - .63⅛
l.c.l., dlvd. E.....gal. .73 - —
tanks, works.....gal. .55 - —
Pineneedle, cns.....lb. 3.25 - 3.65
Putty, bbls., E. Segundo, Richmond, Cal..gal. .22½- —
contracts .....gal. .19½- —
tanks, same basis.....gal. .18 - —
Martinez, Cal.....gal. .28 - —
dms., c.l., Whiting, Ind..gal. *.34 - —
Boston, Providence....gal. .25 - —
l.c.l., same basis.....gal. .27 - —

* Extra for bbls., but subject to quantity discounts, ranging from 2c. to 5c. per gallon, according to amount purchased.

Rapeseed,[1] bulk.....lb. .13 - —
Red,[1] ret. bbls., c.l., dms., d'vd. E. of Rockies..lb. .13¼- —
W. of Rockies.....lb. .14¼- —
Texas and Okla.....lb. .13⅝- —
tanks, dlvd. E. of Rockies.. lb. .12¼- —
W. of Rockies.....lb. .13½- —
Texas and Okla.....lb. .13 - —
double dist., ret. dms., c.l., dlvd. E. of Rockies..lb. .15⅞- —
W. of Rockies.....lb. .16⅞- —
Texas and Okla.....lb. .16⅝- —

Oil, red, special, non-ret. dms., bbls., c.l., dlvd. E. of Rockies..lb. .16⅛- —
W. of Rockies.....lb. .17⅛- —
Texas and Okla.....lb. .17½- —

Red oil prices for ton lots are ½ cent per pound higher, and 1c. higher for less than ton lots.

Rose, natural, coppers.....oz 31.25 -42.00
Rosemary, Spanish, tech., cns., dms..lb. 1.20 - 1.50
USP, cns., dms.....lb. 1.50 - 1.75
Rosin, 1st rectified, dms...gal. .66 - —
2nd rectified, dms.....gal. .68 - —
3rd rectified, dms.....gal. .72 - —
Rue, bots.....lb. 4.75 - 5.25
Sage, Spanish, cns.....lb. 2.50 - 3.25
Sandalwood, NF, Mysore, cns., case lots..lb. 9.52 -11.15
Sardine, crude,[1,7] tanks, Pac. coast..lb. .089 - —
refined, alkali, dms., l.c.l..lb. .1400- —
kettle-bodied, dms., l.c.l..lb. .1500- —
light-pressed, dms., l.c.l..lb. .1300- —
tanks .....lb. .1225- —
Sassafras, artif., Brazilian, cns..lb. .75 - .80
natural, cns., dms.....lb. 2.00 - 2.30
Savin, cns.....lb. No stocks
Savory, cns.....lb. 8.00 - —
Seal,[1] No. 1, tanks, U.S. ports. lb. .089 - —
Sesame,[1,7] tanks.....lb. .1430- —
Shingle stain, bbls., c.l., works. gal. .2185- —
l.c.l., works.....gal. .23 - .29
tanks, works.....gal. .15 - .16
Snakeroot, Canada, cns.....lb. No stocks
Soybean,[1,7] clarified, dms....lb. .1296 -.1335
tanks .....lb. .1250- —
crude, tanks, Decatur.....lb. .1175- —
deod., Winter, tanks.....lb. .1393- —
ret. dms.....lb. .1500- .1540
foots, acid, 95%, tanks, dlvd. E..lb. .07¼- —
raw, 50%, tanks, dlvd. E..lb. .03¼- —
refd., varnish, dms.....lb. .1380- .1400
tanks .....lb. .1340- .1347
Spearmint, dms.....lb. 4.00 - 4.25
Sperm, bleached, 38°, dms...lb. .1445- —
natural, 45°, dms.....lb. .1310- .1311
Spruce,[1] cns., dms.....lb. 2.53 - 2.72
Sunflower,[7] imported, refined, tanks..lb. .1438- —
semi-refined, tanks.....lb. .1430- —
Sweet birch, North, cns.....lb. 5.00 - 7.00
South, cns.....lb. 2.50 - 3.25
Tall,[1] crude, dms., c.l., works. ton.53.65 -55.00
l.c.l., works.....ton.58.65 -63.65
tanks, works.....ton.40.00 -45.00
refined, dms., c.l., works..lb. .05 - .05¼
l.c.l., works.....lb. .05½- —
tanks, works.....lb. .04½- —
Tallow, acidless, bbls.....lb. .14¼- —
tanks .....lb. .13¾- —
Tansy, cns.....lb. No stocks
Tar,[1] pine, crude, dms., c.l., dlvd. E. cities..gal. .32½- —
l.c.l., works.....gal. .29⅜- —
tanks, dlvd. E. cities....gal. .27 - —
rectified, USP, bbls.....gal. .60½- —
Tar acid (see T).
Thyme, NF, red, cns.....lb. 3.20 - 3.25
white, cns.....lb. 3.50 - 3.65
Tung,[1] dms., c.l.....lb. .39 - .39½
l.c.l. .....lb. .40 - .41
tanks .....lb. .38⅜- —
Turkey red (see Oil, castor, sulphonated).
Turpentine, rectified, USP, cns., dms..lb. .25 - .29
Vetiver, Bourbon, cns.....lb.37.00 -40.00
Whale,[1] ref., natural, dms..lb. No stocks
Winter bleached, dms.....lb. No stocks
Wheat germ, dms.....gal.10.00 -13.50
White mineral, tech., 50-65 vis., dms., incl., c.l..gal. .37 - —
l.c.l. .....gal. .40 - .44
65-75 vis., dms., dms. incl., c.l..gal. .38 - —
l.c.l. .....gal. .41 - .45
USP, 80/90 vis., dms., dms. incl., c.l..gal. .40 - —
l.c.l. .....gal. .43 - .47
125/135 vis., dms., dms. incl., c.l..gal. .49 - —
l.c.l. .....gal. .52 - .56
145/155 vis., dms., dms. incl., c.l..gal. .51 - —
l.c.l. .....gal. .54 - .58
175/185 vis., dms., dms. incl., c.l..gal. .52 - —
l.c.l. .....gal. .55 - .59
200/210 vis., dms., dms. incl., c.l..gal. .56 - —
l.c.l. .....gal. .59 - .63
335/345 vis., dms., dms. incl., c.l..gal. .64 - —
l.c.l. .....gal. .67 - .71
55, 70 and 85 vis., non-ret. dms., San Francisco.gal. .42 - —
smaller lots, same basis. gal. .44 - .47
100 vis., non-ret. dms., 65 dms., San Francisco.gal. .51½- —
100 vis., non-ret. dms., San Francisco, smaller lots, same basis..gal. .53½- .56½
145 vis., non-ret. dms., 65 dms., San Francisco.gal. .59 - —
smaller lots, same basis gal. .61 - .64
180 vis., non-ret. dms., 65 dms., San Francisco.gal. .62½- —
smaller lots, same basis gal. .64½- .67½
340 vis., non-ret. dms., 65 dms., San Francisco.gal. .74 - —
smaller lots, same basis gal. .76 - .79
Wintergreen, natural, North, cns..lb. 5.50 -12.00
South, cns.....lb. 4.00 - 4.25
synthetic (see Methyl salicylate).
Wood (see Oil, tung).
Wormseed, cns.....lb. 5.00 - 5.25
Wormwood, cns.....lb. 4.85 -10.00
Ylang-ylang, Bourbon, extra, bots..lb.18.50 -24.50
first, bots.....lb.14.50 -18.50
second, bots.....lb.11.00 -14.50
third, bots.....lb. 6.00 - 9.50
Oleostearin,[1,7] dms., Chicago..lb. .1061- —
Olivine, aggregate, c.l., mines.. ton. 7.00 - 9.50
crushed, 8 mesh, bulk, c.l., works..ton. 8.00 - —
paper bgs., c.l., works..ton. 9.50 - —
lumps, paper bgs., c.l., works. ton. 7.00 - —
spalls, paper bgs., c.l., works.. ton. 5.00 - —
Opium gum, USP, cns., 50-lb. lots. lb.13.00 - —
25-lb. lots.....lb.13.25 - —
smaller lots.....lb.13.50 -13.65

Prices on powd. and gran. USP opium are $1.50 per pound higher.

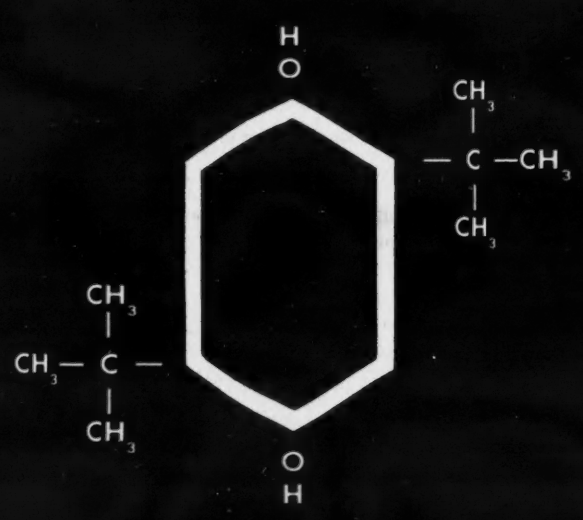
Orange, cadmium, selenide, bbls., 100-lb. lots, works..lb. 1.50 - —
Dinitroaniline, toner[8].....lb. 1.05 - —
Molybdate,[1] bbls.....lb. .41 - —
Orthonitroaniline toner,[1] bbls., kgs., works..lb. .80 - 1.05
Persian,[1] bbls.....lb. .30 - .45

New Stabilizing Agent

for mineral oil, vegetable oils, greases, paints, cosmetics, and various resin monomers

2,5-DITERTIARY BUTYL HYDROQUINONE

White Powder: M. P. 210-212°C



SOLUBILITY AT 30°C	
SOLVENT	SOLUBILITY
Water	0%
Acetone	28.3%
Ethyl Acetate	32.7%
Alcohol	26.4%
Benzene	1.4%

Now Available From Our Pilot Plant

TENNESSEE EASTMAN CORPORATION
(Subsidiary of Eastman Kodak Company)
KINGSPORT, TENNESSEE

Orange mineral, American, bbls., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash..lb. .12¼- —
dlvd. Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Colo., Mont., N. M., Wyo.lb. .12½- —
other points.....lb. .12 - —
smaller lots, Ala., etc.in. .12⅝- —
Ariz., etc.....lb. .13¼- —
Colo., Mont., N. M., Wyo..lb. .13 - —
other points.....lb. .12½- —
Orange flowers, cs.....lb. .48 - .50
Orange peel, bitter, Haitian, bgs. lb. .13¼- —
sweet, bls.....lb. .14 - .14⅛
Oregano, Mexican, curly leaf, bgs..lb. .03½- .09
flat leaf, bgs.....lb. .08½- .09⅝
Orris root, Florentine, bls.....lb. .55 - .56
Verona, bls..... No stocks
Portuguese, bls.....lb. .45 - .47
Orthoamphichenol, dms., works.lb. .25 - —
Orthoanisidin, bbls.....lb. .70 - —
Orthochloranilin, dms.....lb. .60 - —
Orthochlorophenol, dms.....lb. .25 - .27
Orthocresol,[2] 30.4° C., min., M.P., dms., c.l., works..lb. .17½- .18
l.c.l., works.....lb. .18 - .18½
29° C. min., M.P., dms., c.l., works..lb. .16½- .17
l.c.l., works.....lb. .17 - .17½
Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies..lb. .07 - —
l.c.l., same basis.....lb. .08 - —
tanks, same basis.....lb. .06½- —
Orthodichlorobenzene prices W. of Rockies 1c. per lb. higher.
Orthonitroanilin, dms.....lb. .43 - .55
Orthonitrobiphenyl, tech., grade A., dms., c.l., works.lb. .10 - —
l.c.l., works.....lb. .11 - —
grade B, dms., c.l., works.lb. .06 - —
l.c.l., works.....lb. .07 - —
Orthonitrochlorobenzene, dms..lb. .15 - .18
Orthonitroparachlorophenol, cns.. lb. .75 - —
Orthonitrotoluene, dms.....lb. .09 - —
Orthophenetidin, dms.....lb. .82 - —
Orthotoluidin, dms.....lb. .19 - —
Osage orange crystals, bbls....lb. .22 - —
Extract, No. 1, bbls.....lb. .11 - —
No. 2, bbls.....lb. .10 - —
Ouabaine, USP, bots.....gram. 3.00 - 4.00
Oxyquinolin sulphate, cns., 100 lbs., works..lb. 3.50 - —
small lots, works.....lb. 3.75 - 4.15

P

Papain, powd., cs.....lb. 4.50 - 4.75
Papaverine, natural or synthetic, hydrochloride, NF, cns., 100-oz. lots..oz. 7.00 - —
smaller lots.....oz. 7.05 - 7.35
Sulphate, cns.....oz. 7.10 - 7.35
Paprika,[3] Calif., sweet Caliente, ground, bgs..lb. .40 - .41
Chilean, bgs.....lb. .30½- .36⅛
Portuguese, bgs.....lb. .38 - .42
Spanish, bgs.....lb. .43 - .44⅛
Para-anisidin, dms., works....lb. .75 - —
Parachlorophenol, dms.,c.l., works, lb. .24 - —
l.c.l., same basis.....lb. .25 - .27
Paracresol, bbls., works.....lb. .41 - —
Paracymene, dms., c.l., works.lb. .1595- —
l.c.l., same basis.....lb. .1645- —
tanks, same basis.....lb. .1545- —
Paradichlorobenzene, dms., c.l., works..lb. .11 - .12
l.c.l., same basis.....lb. .12½- .15
Paraffin,[1] crude scale, white or yellow, 124-126 ASTM, bbls., c.l., refinery..lb. .04¼- —
fully ref'd slabs, loose, 117-119 ASTM, c.l., refinery..lb. .05 - —
120-122 ASTM, refinery.lb. .0520- —
122-124 ASTM, refinery.lb. .0520- —
125-127 ASTM, refinery.lb. .0560- —
127-129 ASTM, refinery.lb. .0585- —
128-130 ASTM, refinery.lb. .0585- —
130-132 ASTM, refinery.lb. .0615- —
132-134 ASTM, refinery.lb. .0640- —
135-137 ASTM, refinery.lb. .0715- —
140-142 ASTM, refinery.lb. .0810- —
146-148 ASTM, refinery.lb. .1050- —
Prices in bags 4/10c. lb. higher.
Paraformaldehyde, dms., 1,000 lbs. or more, works..lb. .21 - —
smaller lots, works.....lb. .22 - —
Paraldehyde, tech., 98%, 55 and 110-gal. dms., l.c.l., wks..lb. .12 - —
10-gal. dms., works.....lb. .15 - —
USP, obys., cns.....lb. .35 - .45
Paranitroanilin, kgs., works...lb. .41 - .43
Paranitrochlorobenzene, kgs., wks. lb. .15 - —
Paranitrophenol, kgs.....lb. .35 - —
Paranitrotoluene, kgs., works..lb. .30 - —
Paraphenylenediamine, tech., kgs. lb. 1.25 - —
Paratoluenesulphonamide, bbls.lb. .70 - —
Paratoluidin, bbls., works.....lb. .48 - —
Paris green,[1] dealer, distributor, dms., kgs., c.l., works, frt. alld..lb. .20 - .27
l.c.l., same basis.....lb. .22 - .28
Passion flower herb, bls.....lb. .30 - .32
Patchouli leaves, bls.....lb. .35 - .40
Pectin, bbls.....lb. 1.25 - —
Penicillin,[4,5] ampule, per 100,000 units. .60 - .75
Pennyroyal leaves, bls.....lb. .24 - .25
Pentachlorophenol, dms., works, lb. .20 - .25
Pentaerythritol, CP, bbls., dlvd. lb. .75 - —
smaller containers.....lb. 1.00 - —
tech., bbls., c.l.....lb. .27 - —
l.c.l.....lb. .31 - —
Pentane, 28°-38° C., industrial grade, dms., c.l., Group 3, gal. .11 - —
l.c.l., dms., Group 3, gal. .19 - —
tanks, Group 3.....gal. .07¼- .07⅝
laboratory grade, 10-gal. cns., dlvd. E..gal. .55 - —
dms., c.l., Group 3.....gal. .16 - —
l.c.l., Group 3.....gal. .29 - —
Pepper, black,[3,7] 15 tons, bgs..lb. .15 - .15½
50 to 100 bgs.....lb. .15¾- .16⅛
25 to 49 bgs.....lb. .16⅛- .16⅝
5 to 24 bgs.....lb. .16¼- .17
Red, capsicum, Carolina, longs, new crop, bgs., ship't point. lb. No stocks
sports, old crop, bgs...lb. No stocks
Louisiana, sports, bgs...lb. No stocks
long, new crop, bgs., ship't point..lb. No stocks
Chillies, Mexican, bgs.....lb. .40 - .40½
White,[3,7] bgs., 15 tons.....lb. .23 - .23¼
Peppermint, dom., USP, bls...lb. 1.20 - 1.25
imported, USP, bls.....lb. 1.50 - 1.55
Perchloroethylene, dms., c.l.,
Zone 1, works, frt. alld..lb. .0772- .0800
Zone 2, same basis.....lb. .0832- .0850
Zone 3, same basis.....lb. .0882- .0900
Zone 4, same basis.....lb. .0876- .0900
l.c.l., Zone 1, same basis..lb. .0882- .0850
Zone 2, same basis.....lb. .0882- .0900
Zone 3, same basis.....lb. .0932- .0950
Zone 4, same basis.....lb. .0926- .0950

Perchloroethylene zones are:—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., Neb. (Omaha), Kans. (Kansas City), N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis.; (2) Ala., Ark., Fla., Ga., Kansas, La., Miss., Neb., N. D., Okla., S. C., S. D.; (3), Col., Mont., (E) N. M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont. (W), Nev., Ore., Utah, Wash.

Peru balsam, dms.....lb. 1.25 - 1.30
Petrolatum, tech., dark, bbls., c.l., Group 3..lb. .021 - —
golden topaz, bbls., c.l.....lb. .032 - —
l.c.l.....lb. .036 - —
red, veterinarian, bbls., c.l.lb. .024 - —
l.c.l.....lb. .028 - —
USP, amber, non-ret. dms., c.l. lb. .03½- —
l.c.l.....lb. .04½- —
extra amber, dms., c.l...lb. .03¾- —
l.c.l.....lb. .04¾- —
cream, c.l., dms.....lb. .05 - —
l.c.l.....lb. .06½- —
white, lily, dms., c.l.....lb. .05¾- —
l.c.l.....lb. .07½- —
snow, dms., c.l.....lb. .06½- —
l.c.l.....lb. .08 - —
soft, dms., c.l.....lb. .05¾- —
l.c.l.....lb. .06¾- —
yellow, soft, dms., c.l.....lb. .03½- —
l.c.l.....lb. .04½- —
Petroleum, crude, bulk, at wells, California, heavy grades. bbl. 1.03 - 1.63
Illinois.....bbl. 1.47 - —
Kentucky, Union County. bbl. 1.42 - 1.47
Louisiana-Arkansas ...bbl. .85 - 1.30
Oklahoma-Kansas ....bbl. .95 - 1.35
Pennsylvania, lower field. bbl. 2.98 - 3.10
Upper field.....bbl. 1.41 - 2.75
Texas, East.....bbl. 1.35 - —
Gulf coast.....bbl. 1.16 - 1.58
North, North-Central.bbl. 1.11 - 1.35
Panhandle.....bbl. .90 - 1.32
West.....bbl. .80 - 1.22
Wyoming.....bbl. .95 - 1.35

Petroleum ether, laboratory grade, 30°-60° C, 10-gal. cns., dlvd. E..gal. .55 - —
dms., c.l., Group 3....gal. .16 - —
l.c.l., same basis.....gal. .29 - —
35°-60° C., 10-gal., cns., dlvd., E..gal. .55 - —
dms., c.l., Group 3....gal. .16 - —
l.c.l., same basis...gal. .29 - —
40°-75° C, 10-gal., cns., dlvd., E..gal. .55 - —
dms., c.l., Group 3...gal. .16 - —
l.c.l., Group 3.....gal. .29 - —
40°-75° C, 10-gal., cns., dlvd.. E..gal. .55 - —
dms., c.l., Group 3..gal. .16 - —
l.c.l., same basis...gal. .29 - —
Fuel oil,[1] furnace, tanks, at refinery, Arkansas, No. 2. gal. .04¼- —
No. 3.....gal. .04 - —
Bayonne, No. 2, tanks.. gal. .057 - —
California, heavy.....bbl. 1.25 - —
light.....bbl. 1.30 - —
diesel.....gal. .04½- —
range.....gal. .05½- —
Group 3, No. 1.....gal. .04½- —
No. 2, straw.....gal. .04½- —
No. 3.....gal. .04 - —
range.....gal. .04½- —
Kansas, No. 6.....bbl. 1.23 - —
Oklahoma, No. 1, p.w.gal. .04¾- —
No. 1, straw.....gal. .04½- —
No. 2, straw.....gal. .04½- —
No. 3.....gal. .04 - —
No. 6.....bbl. 1.18 - —
range.....gal. .04½- —
Pennsylvania, No. 1..gal. .0667½- .0692½
No. 2.....gal. .0625- .0637½
No. 3.....gal. .0625- .0637½
36-40 gravity.....gal. .05¾- .06⅜
bunker C (No. 6), tanks, Albany, N. Y..bbl. 1.92 - —
Baltimore, Md.....bbl. 1.72 - —
Boston, Mass.....bbl. 1.765 - —

Petroleum, fuel oil, bunker C, tanks, Charleston, S. C. bbl. 1.63 - —
Fall River, Mass.....bbl. 1.735 - —
Jacksonville, Fla.....bbl. 1.63 - —
New Haven, Conn.....bbl. 1.735 - —
New York, N. Y.....bbl. 1.72 - —
Norfolk, Va.....bbl. 1.68 - —
Philadelphia, Pa.....bbl. 1.72 - —
Portland, Me.....bbl. 1.765 - —
Portsmouth, N. H.....bbl. 1.765 - —
Providence, R. I.....bbl. 1.735 - —
Savannah, Ga.....bbl. 1.63 - —
Tiverton, R. I.....bbl. 1.735 - —
Wilmington, N. C.....bbl. 1.68 - —
Lacquer diluent, California, 100 l.b.m., 200 e.p., tanks, dlvd. Los Angeles..gal. .11 - —
Fort Wells, Wash.....gal. .12 - —
East Coast, N. J., N. Y., tanks, refinery..gal. .11¼- —
Group 3, bensol type, tanks. gal. .07⅞- —
toluol type, tanks.....gal. .07⅞- —
San Francisco.....gal. .11¼- —
Willbridge, Ore.....gal. .12 - —
Mineral spirits, California, San Francisco, 168-252 b.r., tanks..gal. .10¼- —
198-290 b.r., tanks...gal. .10¼- —
246-397 b.r., tanks...gal. .10½- —
312-408 b.r., tanks...gal. .09 - —
362-458 b.r., tanks...gal. .09 - —
East coast, N. J., N. Y., tanks, refinery..gal. .10 - —
Group 3, tanks, refinery..gal. .06½- .06¾
Gulf coast, tanks.....gal. .06½- —
tankwagons, Baltimore...gal. .1210- —
Boston.....gal. .12 - —
Bridgeport, Conn.....gal. .1430- —
Buffalo.....gal. .1240- —
Camden, N. J.....gal. .11 - —
Chicago.....gal. .1150- —
Detroit.....gal. .1330- —
Hartford.....gal. .1430- —
Kansas City, Mo.....gal. .1290- —
Lancaster, Pa.....gal. .12 - —
Milwaukee.....gal. .1240- —

PRECISION

. . . in product

. . . in preparation

WITH PENN SALT HYDROFLUORIC ACID

Infinite skill is required in the manufacture of the precision glass medical instruments made by Becton, Dickison & Company of Rutherford, N. J. The part played in their manufacture by Penn Salt is a vital one. For fine and accurate etching, Penn Salt Hydrofluoric Acid is used because it fills the most exacting requirements.

In other industries, too, its uses are varied:

★ Cleaning stainless steel
★ Frosting electric light bulbs
★ As an aid in straw bleaching processes

ANHYDROUS HF

was first produced in our Easton, Pa. plant. It can now be supplied in sufficient quantity for the new catalytic alkylation process of making 100 octane gasoline and various other catalytic needs. Shipped in cylinders and tank cars.

4 STRENGTHS AVAILABLE!

30% . . . 52% . . . 60% . . . 80%

Strengths of 60% or higher shipped in steel containers; weaker strengths and special grades shipped in rubber drums and lined wooden barrels.

PENNSYLVANIA SALT MANUFACTURING COMPANY

Chemicals

1000 WIDENER BUILDING, PHILADELPHIA 7, PA.

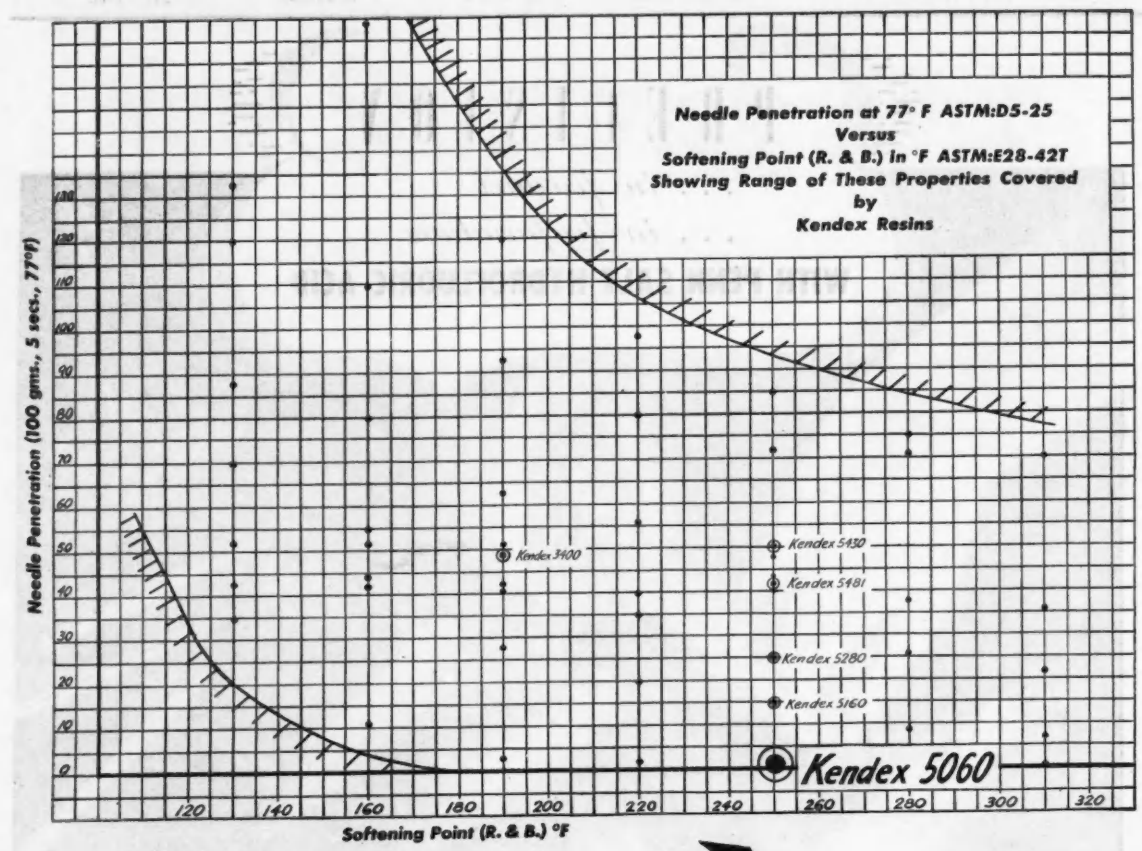
New York • Chicago • St. Louis • Pittsburgh • Minneapolis • Wyandotte • Tacoma • Cincinnati

Petroleum mineral spirits, tank-wagon, Minneapolis..gal. .1220- —
Newark .....gal. .11 - —
New York.....gal. 11 - —
Philadelphia .....gal. .11 - —
Pittsburgh .....gal. .125 - —
Providence .....gal. .13 - —
Rochester .....gal. .1320- —
St. Louis.....gal. .1370- —
Syracuse .....gal. .14 - —
Washington, D. C.....gal. .135 - —
Wilmington, Del.....gal. .11 - —
Naphtha, cleaners, California, tanks, San Francisco.. gal. .12 - —
East coast, N. J., N. Y., tanks, refinery..gal. .11 - —
Group 3, tanks, refinery.. gal. .07½- .07½
tankwagon, Newark.....gal. .12 - —
Bridgeport .....gal. .1730- —
Chicago .....gal. .1380- —
Detroit .....gal. .15 - —
Milwaukee .....gal. .1440- —
Minneapolis .....gal. .1420- —
New York.....gal. .12 - —
Philadelphia .....gal. .125 - —
St. Louis.....gal. .1470- —
high-solvency, No. 8, tanks, frt. alld. Kansas City E.. gal. .225 - —
No. 30, tanks, same basis. gal. .220 - —
No. 40, tanks, same basis. gal. .220 - —
No. A-80, tanks, Carteret, N. J..gal. .21½- —
Chicago, Cincinnati, Detroit..gal. .23 - —
No. B-90, tanks, all shipping points..gal. .24½- —
No. F-80, tanks, Carteret, N. J..gal. .23 - —

Petroleum, naphtha, V.M.&P., at refinery, California, 46.5 254 l.b.p., 380 e.p., tanks, El Segundo..gal. .41 - —
Richmond .....gal. .11½- —
Willbridge, Ore., Pt. Wells, Wash..gal. .12 - —
54-77, 190 l.b.p., 310 e.p., Los Angeles.....gal. .10 - —
San Francisco....gal. .10½- —
Portland, Seattle..gal. .11 - —
Group 3, tanks.....lb. .07½- .07½
Gulf Coast (dlvd. New Orleans), tanks..gal. .06½- —
tankwagon, Boston.....gal. .12 - —
Chicago .....gal. .1380- —
Detroit .....gal. .15 - —
Milwaukee .....gal. .1540- —
Minneapolis .....gal. .1520- —
Newark .....gal. .125 - —
New York.....gal. .12 - —
Philadelphia .....gal. .125 - —
Pittsburgh .....gal. .12½- —
St. Louis.....gal 1470- —
Solvent, rubber, at refinery, California, San Francisco gal. .25½- —
East Coast, N. J., N. Y., tanks..gal. .11 - —
Group 3, tanks.....gal. .07½- .07½
Stoddard (CS 8-33), at refinery:—
California (San Francisco), tanks..gal. .11 - —
East Coast, N. J., N. Y., tanks..gal. .10 - —
Group 3, tanks.....gal. .06½- —
Pennsylvania, western, tanks..gal. .07¼- .07½
tankwagon, Baltimore...gal. .13 - —
Boston .....gal. .12 - —
Chicago .....gal. .13¼- —
Detroit .....gal. .1580- —
Milwaukee .....gal. .1440- —

Petroleum solvent, Stoddard, tank-wagon, Minneapolis..gal. .1420- —
Newark .....gal. .11 - —
New York.....gal. .11 - —
Philadelphia .....gal. .11 - —
Pittsburgh .....gal. .12½- —
St. Louis.....gal. .1370- —
Syracuse .....gal. .14 - —
Toluol, tanks, dlvd. E....gal. .27 - —
Xylol, tanks, dlvd. E....gal. .28 - —
Petroleum sulphonates, 68% sulphonic content, ret. dms., c.l., works..lb. .09¾- —
l.c.l., works.....lb. .09¾- .10¾
tanks, works.....lb. .09¼- —
50% sulphonic content, ret. dms., c.l., works..lb. .09¾- —
l.c.l., works.....lb. .09¾- .10¾
tanks, works.....lb. .09½- —
Phenobarbital, cns.....lb. 3.60 - 3.70
dms., 100 lbs.....lb. 3.50 - —
Phenol, 90-92% (cresol, 8-10%), dms., c.l., works, frt. equald.. lb. .10 - —
l.c.l., same basis.....lb. .10¾- —
tanks, same basis.....lb. .09 - —
82-84% (cresol, 16-18%), dms., c.l., same basis..lb. .09¾- .10¼
l.c.l., same basis.....lb. .10½- —
tanks, same basis.....lb. .08¾- .09¼
USP, dms., c.l., same basis..lb. .10½- —
l.c.l., same basis.....lb. .11¼- —
tanks, same basis.....lb. .09½- —
Phenolphthalein, USP, bbls., dms., 2,000 lbs..lb. .85 - —
smaller lots.....lb. .87 - .92
Yellow, fib. dms., 2,000 lbs..lb. .80 - —
smaller lots.....lb. .82 - .87
Phenothiazin, NF, fib. dms., 2,000 lbs..lb. .46 - —
smaller lots.....lb. .54 - —
Phenylacetaldehyde, solution, 50%, bots..lb. 2.45 - 2.50
100%, bots.....lb. 4.00 - 5.00
Phenylethyl acetate, dms.....lb. 2.15 - 2.70

Phenylethylphenyl acetate, bots., lb. 5.35 - 7.50
Phenylhydrazin, base, CP, bots.lb. 4.55 - —
Hydrochloride, CP, bots., works, lb. 7.10 - —
commercial, kgs., works...lb. 1.75 - —
Phloroglucinol, CP, fib. dms...lb.13.75 -14.75
tech., fib. dms.....lb.12.00 -12.55
Phosgene, ton lots, works.....lb. .19 - —
Phosphate, defluorinated (see under D).
Phosphate rock,[1] Fla., land pebble, unground, run-of-mine, washed, dried, 68%-66% b.p.l., bulk, car at mine, c.l..... long ton. 2.20 - —
70%-68%, same basis.. long ton. 2.60 - —
72%-70%, b.p.l., same basis..long ton. 3.20 - —
75%-74%, b.p.l., same basis..long ton. 4.20 - —
77%-76%, b.p.l., same basis..long ton. 5.20 - —
entirely pebble, 50c. per ton higher than above prices.
finely ground, 66.5% b.p.l., 30% P_2O_5 minimum.... short ton. 3.15 - —
68%, basis 31% P_2O_5 minimum..short ton. 3.35 - —
70%, basis 32% P_2O_5 minimum..short ton. 3.70 - —
Tenn., brown, unground, run-of-mine, 70-68% b.p.l., 5% l. & a., same basis..long ton. 5.30 - —
72%-70% b.p.l., 5½% l. & a., same basis..long ton. 5.80 - —
refinery, ground, 29% P_2O_5, same basis..long ton. 4.95 - —
30% P_2O_5, same basis.... long ton. 5.15 - —
31% P_2O_5, same basis.... short ton. 5.25 - —
32% P_2O_5, same basis.... short ton. 5.50 - —
33% P_2O_5, same basis.... short ton. 6.00 - —
Phosphorus, red, amorphous, cs. lb. .40 - .44
tins, export.....lb. .55 - —
yellow, cns.....lb. .23 - .25
dms., c.l.....lb. .14¼- —
Oxychloride, dms., c.l.....lb. .10¼- —
l.c.l., dms.....lb. .12½- .15
Pentoxide, dms., c.l., works.lb. .11 - .12
l.c.l., works.....lb. .13 - .14
Sesquisulphide, cs.....lb. .38 - .42
Trichloride, dms., c.l.....lb. .10½- —
l.c.l.....lb. .12½- .15
Phthalamide, bbls., works.....lb. .35 - .40
kgs., works.....lb. .45 - .50
Phthalic anhydride, bgs., bbls., c.l., works, frt. alld. E. of Denver..lb. .13 - —
l.c.l., same basis.....lb. .14 - —
Pichi leaves, bgs.....lb. .07 - .08
Picoline (see Alphapicoline and Betapicoline).
Picrotoxin, bots.....oz. 8.00 - —
Pilocarpine hydrochloride, USP, bots., vis..oz. 3.75 - 5.10
Nitrate, bots., vis.....oz. 3.65 - 5.00
Pimento,[1] Jamaica, bgs.....lb. .24½- .25
Pinetar, retort, dms., incl., c.l., works..gal. .31 - —
l.c.l., works, dms. incl..gal. .32 - —
tanks, dlvd. E.....gal. .27 - —
Pinkroot, bls.....lb. 1.10 - 1.15
Piperazine hexahydate, bots..lb.16.00 - —
Pitch, burgundy (see B).
Coaltar, 160° m.p., bbls., c.l., works..ton.19.00 - —
l.c.l., works.....ton.22.00 - —
Cottonseed, dms., works.....lb. .04 - .06
Hardwood, paper bgs., works.lb. .03½- —
Linseed, dms.....lb. .05 - .06¼
Petroleum (see Asphaltum, Mexican, Texas).
Pine, dms.....100 lbs. 6.50 - —
stands, 700 lbs.....stand. 6.00 - —
Soybean, dms., works.....lb. .04 - .06
Plaster of paris (see Gypsum).
Podophyllin, dms.....lb.10.50 -10.70
Pokeroot, bls.....lb. .19 - .20
Polystyrene, plain colors, dms., 30,000 lbs., works, frt. alld. lb. .33 - —
20,000 lbs., frt. alld.....lb. .33 - —
smaller lots, frt. alld....lb. .34 - .36
Water-clear, polystyrene, 7c. per lb. less than plain colors.
Pomegranate, root bark, bgs..lb. .75 - .76
Poppy flowers, bls.....lb. .60 - .70
Seed, Argentine, bgs.....lb. .34 - .35
Danish, bgs.....lb. .37 - .37½
Dutch .....lb. .37 - .37½
Indian, white, bgs.....lb. No stocks
Swedish, bgs.....lb. .37 - .37½
Turkish, bgs.....lb. .32½- .33
Potash abietate.....lb. .06 - —
Acetate, USP, dms.....lb. .28 - —
Arsenite, USP, solut., cbys., djns..lb. .13 - .15
Bicarbonate, USP, cryst., gran., bbls., dms..lb. .19 - .21
Bichromate,[1] bgs., c.l, works. lb. .10 - —
l.c.l., works.....lb. .10¼- .10¾
Potash bichromate in bbls. ¼c. higher.
Borate, gran., bbls., N. Y. or Chi..lb. .1015- —
Bromide, USP, gran., 500-lb. bbls., dms..lb. .25 - —
100-lb. kgs.....lb. .26 - —
Carbonate, calcined, bbls., c.l., works..lb. .06½- —
l.c.l., same basis.....lb. .06¾- —
hydrated, 83-85%, bbls., c.l., works..lb. .05½- —
dms., l.c.l., same basis..lb. .05¾- —
USP, gran., bbls., dms....lb. .14 - .20
powd. bbls., dms.....lb. .19 - .21
Caustic, low-chloride, 90% basic, flake, dms., c.l., works. 100 lbs. 9.31 - —
l.c.l., works....100 lbs. 9.68½- —
liquid, dms., c.l., works.. 100 lbs. 8.56 - —
l.c.l., works....100 lbs. 8.68½- —
tanks, works.....100 lbs. 8.06 - —
solid .....100 lbs. 8.56 - —
l.c.l., works.....100 lbs. 8.93½- —
regular, flake, 88-92%, dms., c.l., works..lb. .07 - —
l.c.l., works.....lb. .07¼- .07½
liquid, 45% basis, dms., c.l., works, frt. alld..lb. .03½- —
l.c.l., same basis.....lb. .03¾- .03½
tanks, same basis.....lb. .02¾- —
solid, 88-92%, dms., c.l., works..lb. .06¼- —
l.c.l.....lb. .06½- .06¾
Chromate, bgs.....lb. .24 - .28
Chlorate,[1] cryst., kgs., c.l., works..lb. .11 - .11¾
l.c.l., works.....lb .119 - .13
powd., dms., kgs., c.l., works. lb. .09¾- —
l.c.l., works.....lb. .119 - .13
export, 1 to 10 tons, kgs., ex whse..lb. .16 - .18
Chloride, tech., cryst., 98%, bgs., kgs..lb. .08 Nom.



Announcing

KENDEX 5060

A NEW THERMOPLASTIC RESIN THAT IS HARD AND MAR RESISTING

On the above chart some of the new KENDEX resins are indicated by individual dots. These have been produced commercially or in the laboratory. Note KENDEX 5060, for example. It is a hard, brittle, and mar-resisting resin—useful for blending with other resins, waxes, etc., with which it is compatible.

KENDEX 5060 and similar resins of this type are suitable for use in baking varnishes and japans, in pipe coatings and as floor tile binders. In general, this type of KENDEX resin will impart hardness and toughness to blends or compounds in which it is used.

Other KENDEX resins are waxy, or soft and rubbery—useful as laminants, moisture-vapor-barriers or expansion joint fillers. All are black in color. Within the range of softening points and consistencies or penetrations on the above chart, a KENDEX resin can be produced for numerous industrial applications.

Write for informative booklet and preliminary sample of KENDEX 5060. Technical representatives of the Kendall Specialty Sales Department stand ready to assist you in any way possible to fit this and other KENDEX resins to your operations.

Address All Inquiries to

SPECIALTY SALES DEPARTMENT

KENDALL REFINING COMPANY BRADFORD, PENNSYLVANIA

Potash citrate, USP, gran., bbls., dms..lb. .33½- .38½
powd., 3c. per lb. higher.
Cyanide, dms., works.....lb. .55 - —
Fluoride, bbls.....lb. .34 - .40
Glycerophosphate, 75% solution, cns., cbys..lb. 1.65 - 1.67
dms., 1,000-lb. lots.....lb. 1.50 - —
100-lb. lots.....lb. 1.60 - —
Guaiacolsulphonate, NF, dms. lb. 1.65 - 1.75
Hydroxide, USP, sticks, dms.lb. .34 - .36
Hypophosphite, cns.....lb. .72 - .75
Iodate, bots., 5 lbs.....lb. 3.40 - —
cns., 25 lbs.....lb. 3.35 - —
Iodide, bots., cns.....lb. 1.44 - 1.48
dms. .....lb. 1.35 - 1.38
Manure salt, 22% K_2O, Carlsbad, N. M..unit-ton. .20 - —
- 25% K_2O, same basis.unit-ton. .21 - —
Metabisulphite, gran., bbls..lb. .19 - .21
powd., bbls.....lb. .25 - —
Muriate, dom., 60-62-63% K_2O, bulk, ex-vessel, ports.... unit-ton. .53½- —
granular, 50 - 52% K_2O.... unit-ton. .53½- —

Domestic muriate of potash prices, basis f.o.b. Carlsbad, N. M., are 11.2c. per unit of K_2O less than ex vessel price, basis Trona, Cal.; 8c. per unit of K_2O less than ex vessel price at Pacific coast ports.

Nitrate (see Saltpeter).
Oxalate, neutral pure, gran., obls., dms..lb. .37 - .50
tech. fine gran., bbls., dms. lb. .28 - .31
Perchlorate, kgs., works....lb. .09¾- .11
Permanganate, tech., dms., works..lb. .19¾- .20¼
USP, dms., works.....lb. .20½- .21
Persulphate, dms., c.l., works, lb. .16 - —
l.c.l., same basis.....lb. .20 - —
Prussiate, red, kgs.....lb. .50 - .58
Yellow, bbls.....lb. .16 - .17
Ricinoleate, tech., bbls.....lb. .18 - —
Silicate, glass, bgs., c.l., works. ton.200.00 - —
l.c.l. .....100 lbs.15.25 - —
solution, 29° Be, ret. drums, c.l., works..100 lbs. 4.25 - —
l.c.l., 5 or more, works. 100 lbs. 5.00 - —
1-4, works.....100 lbs. 5.50 - —
32° Be, ret. dms., c.l., works..100 lbs. 4.75 - —
l.c.l., 5 or more, works. 100 lbs. 5.50 - —
1-4, works.....100 lbs. 6.00 - —
40.5° Be, ret. dms., c.l., works..100 lbs. 5.75 - —
l.c.l., 5 or more, works. 100 lbs. 6.50 - —
1-4, works.....100 lbs. 7.00 - —
Sulphate, NF, gran.....lb. .14 - .20
powd., bbls. .....lb. .15 - .21
tech., dom., bulk,[6] basis 90-95% K_2SO_4, min. 90% ex vessel Atlantic or Gulf ports..ton.36.25 - —
Sulphocyanide, cryst., N.F., dms...lb. .62 - .70
Triocyanate (see Potash sulphocyanide)
Xanthate, dms., c.l.....lb. .12 - —
Potash-gold cyanide, 41% gold, bots., works..oz.14.20 -14.95
Potash-magnesia sulphate,[6] bulk, min., 40% K_2SO_4, 18.50% MgO, ex vessel, ports...ton.26.00 - —
Potash-soda ferricyanide, kgs., works..lb. .40 - .48
Potash-titanium oxalate, bbls., dms..lb. .45 - .50
Prickly ash bark, bls.....lb. .40 - .45
Berries, bgs.....lb. .20 - .21
Prince's pine herb, bls.....lb. .50 - .65
Procaine hydrochloride, cns., 100-lb. lots..lb. 4.00 - —
smaller lots.....lb. 4.25 - 4.75
Propane,[1] industrial grade, tanks, Group 3..gal. .03¾- —
Propyleneglycol, dms., c.l., frt. alld. in E..lb. .15½- —
l.c.l., same basis.....lb. .16½- —
tanks, same basis.....lb. .14¼- —
Psyllium seed (see Fleaseed).
Pulsatilla, bls.....lb. .60 - .65
Pumice,[1] grd., fine, bgs., ton lots. lb. .03¾- —
smaller lots.....lb. .03¾- .04
coarse, 0½, 1, 1½, 2, 3, bgs., ton lots..lb. .03¾- —
smaller lots.....lb. .03¾- .04¼
Chi., ton lots.....lb. .04½- —
Pumice in bbls. is ½c. per lb. higher.
Pumpkin seed, bgs.....lb. 27 - .28
Purple lake (see Red).
Putty, com'l, dms.....100 lbs. 3.15 - —
linseed oil, raw, dms....100 lbs. 5.00 - —
refined, dms.....100 lbs. 5.50 - —
standard, dms.....100 lbs. 4.20 - —
Pyrethrum,[1] concentrate, dewaxed, 20% for aerosol bombs, dms., works..lb. 9.25 - 9.50
liquid (20 to 1), basis 2 grams pyrethrins for 100 cc., dms., regular base, works..gal. 7.15 - —
odorless base, dms., works. gal. 7.25 - —
(30 to 1), basis 3 grams pyrethrins per 100 cc., bbls., works..gal.10.65 - —
Flowers, fine-grd., 0.9% pyrethrins, bbls., works..lb. .83¾- —
powder, 0.5% pyrethrins, bbls., works..lb. .25 - —
Pyridin, denaturing, ret. dms., works, frt. equald..gal. 1.55 - 1.60
refd., 2°, ret. dms., same basis, lb. .45 - .45½
Pyrites, Spanish, c.l.f. Atl. ports, lon ton. 8.00 -10.00
Pyrocatechin (see Catechol).
Pyrophyllite, standard 200 mesh, c.l., bulk, mines..ton.10.00 -11.50
325 mesh, same basis....ton.18.00 -18.90
No. 3, 200 mesh, c.l., mines. ton. 9.50 - —
325 mesh, same basis.....ton.11.50 - —
Pyrophylite in paper bgs., $1.50 per ton extra.
Pyroxylin, scrap, opaque, amber, cs., works..lb. .17 - —
black, cs., works.....lb. .17 - —
gray, cs., works.....lb. .17 - —
mixed, mottled, cs., wks.lb. .14 - —
white, China, ivory, cs., works..lb. .17 - —
dense, cs., works.....lb. .17 - —
translucent, pastels, cs., works..lb. .17 - —
transparent, cs., works....lb. .19 - —
colors, cs., works.....lb. .17 - —
shavings, amber, cs., works.. lb. .17 - —
mixed colors, cs., works..lb. .14 - —
white, cs., works.....lb. .17 - —

Q

Quassia chips, bls.....lb. .08 - .09
Quebracho extract,[1] solid, 63% tannin, bgs., c.l., ex dock, in bond..lb. .063125- .06325
Quebracho extract, clarified, 64% tannin, bgs., c.l., same basis..lb. .068125- .070625
dissolved, 35% tannin, bbls., works..lb. .04575- .0595
tanks, works.....lb. .04075- —
ground, 70% tannin, bgs., c.l. lb. .080 - —
l.c.l. .....lb. .0915- —
Quebracho extract prices based on $12 freight and $1 insurance per long ton.
Queen of the meadow root, bgs. lb. .12 - .15
Quercitron, crystals, bbls.....lb. .28 - —
extract, bbls., No. 1.....lb. .10 - —
No. 2.....lb. .09½- —
No. 3.....lb. .09 - —
solid, bxs.....lb. 18½- —
Quicksilver, flasks (76 lbs. net).. flask.104.00 -108.00
Quince seed, bgs.....lb. 1.30 - 1.75
Quinidine,[3] NF V, cryst., cns.oz. No stocks
powd., precip., cns.....oz. No stocks
Sulphate, USP, cns.....oz. No stocks
Quinine,[4] NF, cns., 100 ozs...oz. No stocks
Acetate, cns., 100 ozs.....oz. No stocks
Arsenate, cns., 100 ozs.....oz. No stocks
Asenite, cns., 100 ozs.....oz. No stocks
Bisulphate, USP, cns., 100 ozs. oz. No stocks
Dihydrobromide, bots., 50 ozs.. oz. No stocks
Citrate, cns., 100 ozs.....oz. No stocks
Ethylcarbonate, USP, cns., 100 ozs..oz. No stocks
Ferrocyanide, cns., 100 ozs.oz No stocks
Formate, cns., 100 ozs.....oz. No stocks
Glycerophosphate, cns., 100 ozs. oz. No stocks
Hydrochloride, USP, cns., 100 ozs..oz. .89½- —
Hydrochloroiodide, cns., 100 ozs..oz. No stocks
Hydroiodide, cns., 100 ozs..oz. No stocks
Hypophosphite, cns., 100 ozs.oz. No stocks
Phosphate, NF, cns., 100 ozs.oz. No stocks
Quinine salicylate, NF, cns., 100 ozs..oz. No stocks
Sulphate, USP, cns., 100 ozs..oz. 80½- —
Sulphocarbolate, cns., 100 ozs.. oz. No stocks
Quinine tannate, USP X, cns., 100 ozs..oz. No stocks
Tartrate, cns., 100 ozs.....oz. No stocks
Valerate, NF IV, 100 ozs..oz. No stocks
Quinine-urea hydrochloride,[6] USP. cns..oz. No stocks
Quinoline, dms., c.l., works...lb. .24½- .50

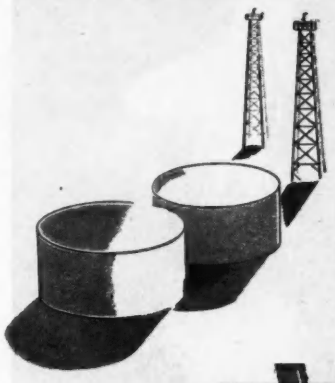
R

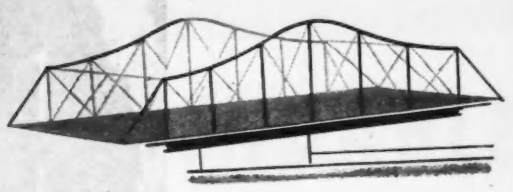
R salt, dry, bbls.....lb. .65 - —
paste, dms.....lb. .52 - —
Raspberries, dried, bls.....lb. 1.75 - 1.80
Red, alizarin lake, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis...lb. 1.10 - 1.90
Prices ½c. per lb. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.); Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.) (El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. per lb. higher dlvd. Pacific Coast prices equaled with Chicago dlvd. Denver, Pueblo, Salt Lake City, Wichita.
Cadmium lithopone, deep shade, bbls., E. Rockies..lb. 1.00 - —
light shade, bbls., same basis..lb. .85 - —
medium shades, bbls., same basis..lb. .30 - —
Red cadmium lithopone, all shades, in smaller pgks., 5c. per lb. higher.
Orange (see Orange).
Selenide, dark, bbls., works. lb. 2.50 - —
light, same basis.....lb. 2.20 - —
Red, carmine, No. 40, dms., 100-lb. lots, works..lb. 4.00 - —
smaller lots, same basis..lb. 4.75 - 5.25
Crocus Martis (see Red, purple oxide).
Dyes (see Dyes, coaltar).
Eosin toner, bbls., works....lb. 1.35 - —
Firetoner, dom., bbls., works.lb. .85 - —
Indian, dom., pure, bbls., Bethlehem, Easton, E. St. Louis, N. Y..lb. .00¼- —
80-85%, bbls., same basis.lb. .00¾- —
imp., English, all shades..lb. .12 - —
Iron oxide, pure, bbls.....lb. .09 - .09¾
reduced, 85% copperas oxide, bbls., l.c.l., Bethlehem, Pa.; Copley, O.; Easton, Pa., and E. St. Louis..lb. .06¾- —
80% copperas oxide, bbls., same basis..lb. .065 - .094
Lacquer, maroon, bbls., wks. lb. 1.25 - —
Lake C toner, alizarin, bbls., works..lb. .90 - —
Lithol toner, alizarin, lake, bbls., works..lb. .60 - —
Pink, bbls., works.....lb. .20 - .25
Rose lake, bbls., works....lb. .25 - .28
Lithol-rubin toner, alizarin lake, bbls., works..lb. 1.10 - —
Maroon, alizarin lake 25% kgs., works..lb. .40 - —
Cadmium, bbls., works.....lb. 1.10 - —
deep, bbls., same basis..lb. 1.20 - —
Maroon, in smaller pkgs., 5c. per lb. higher.
Mercury oxide, tech., bbls., 10,000 lbs., works..lb. 2.60 - —
smaller lots, works...lb. 2.62 - —
Metallic, bbls., works.....lb. .62 - —
Oxide (see Red, iron oxide).
Para toner, concent., alizarin lake, kgs., works..lb. .70 - —
Persian (see Orange).

WORLD'S LARGEST PRODUCER OF SYNTHETIC RESINS

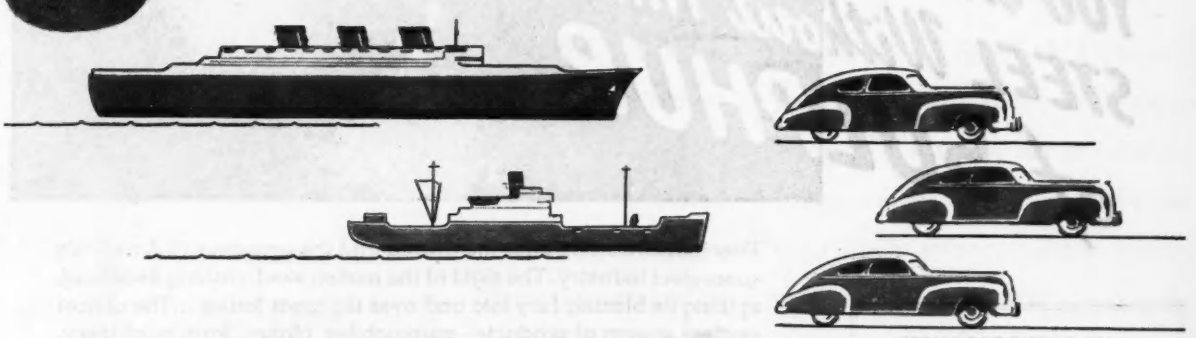
RCI

Save Weight





improve corrosion resistance



USE TOP QUALITY RCI ZINC YELLOW

War has proved that *all* metal construction can be better protected with RCI Zinc Yellow—*now available for all peacetime projects!* And not only does it give better corrosion resistance—it saves tons of deadweight compared to other anti-corrosion pigments.

Superior in its results, RCI Zinc Yellow is superior in itself. It wets more readily, requires a minimum of grinding, has excellent package stability, and contains no contaminating chlorides or sulphates. For further facts write the Sales Department at Detroit.

CHEMICAL COLOR DIVISION

REICHHOLD CHEMICALS, INC.

General Offices and Main Plant, Detroit 20, Michigan

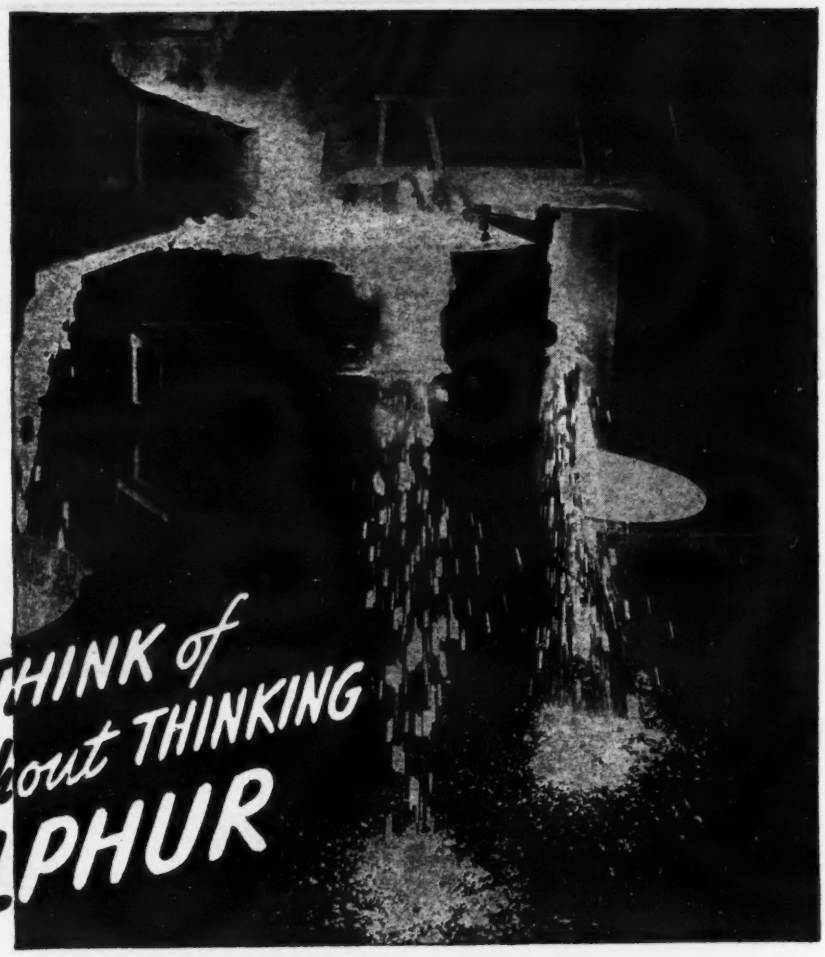
Other Plants:
Brooklyn, New York • Elizabeth, New Jersey • South San Francisco, California • Tuscaloosa, Alabama • Liverpool, England • Paris, France • Sydney, Australia

CHEMICAL COLORS • SYNTHETIC RESINS • INDUSTRIAL PLASTICS • INDUSTRIAL CHEMICALS

Red, phloxin toner (see Red, eosin toner).
Phosphotungstic, rhodamine, Y, kgs., works..lb. 4.15 - —
Purple lake, kgs.....lb. 1.00 - —
Scarlet ink toner, kgs., works.....lb. .55 Nom.
Spanish oxide, grade 1, c.l., bbls..lb. .04⅝- .07¾
Toluidin toner, alizarin lake, kgs., works..lb. 1.05 - —
MNPT maroon toner, kgs., works..lb. 3.25 - —
Turkey, bbls., works.....lb. .14½- —
Tuscan, bbls., E. St. L.....lb. .11 - —
Venetian, 5%, bbls., wks....lb. .0220- —
10%, bbls., works.....lb. .0215- —
15%, bbls., works.....lb. .0205- —
20%, bbls., works.....lb. .02¾- —
25%, bbls., works.....lb. .03 - —
30%, bbls., works.....lb. .03½- —
35%, bbls., works.....lb. .0360- —
40%, bbls., works.....lb. .04 - —
Vermilion, Amer., bbls.....lb. .25 - .40
Quicksilver, bbls.....lb. 2.50 - 2.55
Red precipitate, NF, powd., fib. dms..lb. 2.77 - 2.79
Red saunders wood grd., bbls.lb. .35 - —
Resorcinol, tech., dms., works.lb. .54 - .74
USP cryst., dms. frt. alld..lb 1.60 - —
Rhatany root, bgs.....lb. .13 - .14
Rhubarb, whole, cs.....lb. .70 - .71
powd., bbls.....lb. .80 - .81
Riboflavin, bots.....kilo.200.00 - —
Rice bran concentrate, dms., Cedartown, Ga., or Emeryville, Calif., seller's option. lb. .79 - —
Rochelle salt, gran. powd., bbls., 5,000 lbs., 1 ship't..lb. .38½- —
smaller lots.....lb. .39 - .42
Rose flowers, pale, bls.....lb. .44 - .45
Rosemary flowers, bls.....lb 1.55 - 1.60
Leaves, Portuguese, bls.....lb .08½- .09
Spanish, bls.....lb. .13 - .13½
Rosin, gum,[1]—
B, dms., c.l.....100 lbs. 6.7 - 6.70½
D, dms., c.l.....100 lbs. 6.74 - 6.77½
E, dms., c.l.....100 lbs. 7.27 - 7.30½
F, dms., c.l.....100 lbs. 7.37 - 7.40½
G, dms., c.l.....100 lbs. 7.41 - 7.44½
H, dms., c.l.....100 lbs. 7.43 - 7.46½
I, dms., c.l.....100 lbs. 7.43 - 7.46½
K, dms., c.l.....100 lbs. 7.47 - 7.50½
M, dms., c.l.....100 lbs. 7.49 - 7.52½
N, dms., c.l.....100 lbs. 7.61 - 7.6-½
WG, dms., c.l.....100 lbs. 7.90 - 7.93½
WW, dms., c.l.....100 lbs. 8.17 - 8.20½
X, dms., c.l.....100 lbs. 8.17 - 8.20½
Wood,[1] B (resin), dms., c.l., works..100 lbs. 3.00 - —
FF, dms., c.l., works.100 lbs. 4.50 - —
G, H, I, dms., c.l., works.. 100 lbs. 4.95 - —
K, dms., c.l., works..100 lbs. 5.00 - —
M, dms., c.l., works..100 lbs. 5.05 - —
N, dms., c.l., works..100 lbs. 5.15 - —
WG, dms., c.l., works.100 lbs. 5.25 - —
WW, X, dms., c.l., works.. 100 lbs. 5.40 - —
Rotenone,[1] bbls., works.....lb.10.90 -13.50
extract, liq., dms., works.... per unit. 1.05 - —
powder (see Cube root).
Rottenstone,[1] bgs., c.l., mines.. ton.25.50 - —
l.c.l., mines.....ton.37.50 - —
Rue, bls.....lb. .45 - .50

S

Sabadilla seed, powd., bbls....lb. .45 - .48
Saccharin,[1] soluble and insoluble, 1,000 lbs. and up..lb. 1.30 - 1.35
smaller lots.....lb. 1.40 - 1.60
Saffron, Mexican, bls.....lb. 1.60 - 1.65
Persian, tins.....lb.42.00 - —
Spanish, NF, tins.....lb.42.00 Nom.
Safrol, cns.....lb. .90 - .92
Sage, Calif., leucophylla, bgs., Pacific coast..lb. .20 - .21
Cyprus, good, bls.....lb. .24 - .24½
fair, bls., futures.....lb. .18½- .19
Dalmatian, bls.....lb. .34 - .35
Greek, bls.....lb. .29 - .29½
Palestine, bls.....lb. .16 - .16½
Spanish, bls.....lb. .15 - .15½
Washington, Dalmatian - type, bls..lb. .41 - .43
Sago flour, bgs.....lb. No stocks
salicin, bots., 5 lbs.....lb. No stocks
cns., 25 lbs.....lb No stocks
Saligenin, dms.....lb.15.00 -20.00
Salol, gran., bbls., kgs.....lb. .90 - —
fib. dms.....lb. .92 - .96
Powdered salol, 10c. higher.
Salt, rock, bgs., c.l.....ton.14.20 - —
l.c.l., bgs.....ton.17.20 -18.00
vacuum, common, fine, bgs., c.l..ton.15.70 - —
l.c.l. .....ton.19.00 -23.20
Saltcake, dom., bulk, works..ton.15.00 - —
Chrome (see Chrome cake).
Saltpeter, dbl. ref., gran., bbls., 10 ton lots..100 lbs. 8.20 - —
smaller lots....100 lbs. 8.35 - 8.60
powd., bbls., 10-20 ton lots..100 lbs. 9.20 - —
smaller lots.....100 lbs. 9.35 - 9.60
Sanguinarine nitrate, bots.....oz. 3.75 - —
Santonin, cryst. powd.....kilo.170.00-186.00
Saponin, No. 1, cns.....lb 1.75 - 1.90
No. 2, cns.....lb 1.40 - —
Sarsaparilla root, dom., bls..lb. .45 - .50
Honduras, bls.....lb. .45 - .47
Mexican, bls.....lb. .22 - .28
Sassafras bark, ord., bls.....lb. .45 - .50
select, bls.....lb. .45 - .50
Savory, Calif., bls.....lb. .75 - .76
Spanish, bls.....lb. .22 - .23½
Saw palmetto berries, bgs....lb. .20 - .21
Scammony resin, lump, cns...lb. 1.30 - —
powd., cns.....lb. 1.35 - —
Root, bgs.....lb. .09 - .10
Schaeffer's salt, bgs.....lb. .44 - —
Seidlitz mixture, bbls., 5,000 lbs., 1 shipment..lb. .30⅝- —
smaller lots.....lb. .31½- —
kegs, 5,000 lbs., 1 shipm't..lb. .31½- —
smaller lots.....lb. .31⅝- —
Selenium, pwd., cns., 10 lb. lots..lb. 1.85 - —
cs.; 1,000 lb. lots.....lb. 1.70 - —
Senega root, bls.....lb. 2.50 - 2.60
Senna, Alex., half-leaf, bls....lb. .20 - .21
siftings, bgs.....lb. .18 - .19
Tinnevelly, No. 1, bls.....lb. .18 - .19
2, bls.....lb. .16 - .17
3, bls.....lb. .15 - .16
powd., bbls., bgs.....lb. .15 - .17
Pods, bls.....lb. .13 - .14
Serpentaria root, bls.....lb. 2.25 Nom.
Shellac,[1] bleached, bonedry, bbls., 1,000-lb. lots..lb. .42½- —
Boston.....lb. .43½- —
Chicago.....lb. .44 - —
Pacific coast.....lb. .46 - —
refined, bbls., 1,500-lb. lot. lb. .46½- —
Boston.....lb. .49½- —
Chicago.....lb. .50 - —
Pacific coast.....lb. .52 - —
Bonedry shellac sales of less than 1,500 lbs., at following additions to maximum prices: (1) packed in bgs., ¾c. per lb.; (2) bbls., 1c. more; (3) kgs., 3c. more.
D. C., V.S.O., Diamond I, 100 bgs..lb. .4600- —
Garnet, 100 bgs.....lb. .3890- —
Superfine, 100 bgs., Boston, N. Y..lb. .3860- —
Chicago.....lb. .3710- —
Pacific coast.....lb. .3980- —
TN, 100 bgs., Boston, N. Y.lb. .3550- —
Chicago.....lb. .3600- —
Pacific coast.....lb. .3895- —
Shellac in cs., 2c. higher. Shellac sales 1 bg. or 1 cs., 5c. additional; 1 to 9 bgs. or cs., 2c. more; 10 to 99 bgs., cs., 1c. more.
Silica, amorph., dry-grd., 325 mesh, bgs., c.l., Ill. works..ton.17.00 - —
l.c.l., works.....ton.20.00 - —
400 mesh, bgs., c.l., works..ton.18.00 - —
l.c.l., works.....ton.19.00 -20.00
wet-grd., 325 mesh, bgs., c.l., works..ton.18.00 - —
l.c.l., same basis....ton.21.00 - —
400 mesh, bgs., c.l., works. ton.30.00 - —
l.c.l., works.....ton.35.00 -38.00
90%-98%, 325 mesh, bgs., c.l., wks..ton.20.00 - —
l.c.l., works.....ton.21.50 -23.00
99%, 325 mesh, bgs., c.l., works..ton.20.00 - —
l.c.l., works.....ton.22.00 -25.00
hard-quartz, 99½%, 325 mesh, bgs., c.l., works.....ton.15.50 - —
l.c.l., works.....ton.18.50 - —
140 mesh, bgs., c.l., works, ton.11.00 - —
l.c.l., works.....ton.16.00 - —
Silicon tetrachloride, tech., dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .16½- .27
Silver bullion.....oz. .71111- —
Cyanide, cns., 100 ozs.....oz. .41½- —
Nitrate, cns., 100 ozs., bots., 2,500-oz. lots..oz. .47 - —
1,000-oz. lots.....oz. .47⅝- —
smaller lots.....oz. .47½- .47⅝
Neucleinate, USP, bots., dms.. oz. .36 - .41
Proteinate, USP, bots., dms..oz. .288 - .338
Simarubra bark, bls.....lb. .55 - .60
Skullcap, Eastern, bls.....lb. .60 - .65
Western, bls.....lb. .30 - .35
Skunk cabbage root, bls.....lb. .45 - .50
Slate flour, bgs., c.l., works.ton.11.00 -12.00
l.c.l., works.....ton.12.00 -13.00
Sloe berries, bgs.....lb. .40 - .41
Smalt, black, cns.....lb. .05 - .06
Blue, cns.....lb. .07 - .08¼
Snakeroot, Canada, bls.....lb. .65 - .70
Soapbark, bls.....lb. .29 - .30
crushed, bls., bbls.....lb. .34 - .35
cut, dom., bls., bbls.....lb. .34 - .35
imp., bbls.....lb. No stocks
powd., bbls.....lb. .32 - .33
Soda acetate, anhyd., dms., dlvd. lb. .08½- .10
NF, cryst., bbls., kgs.....lb. .14 - .16
tech., 60%, l.c.l., dlvd.....lb. .05½- .06
Alginate, refined, water-soluble, bbls., works..lb. .79 - —
semi-refined, bbls., works..lb. .42 - —
white, powd., dms.....lb. 1.50 - 1.60
Aluminate, for water treat., bgs., c.l., works..100 lbs. 7.50 - —
l.c.l., works.....100 lbs. 8.40 - —
other uses, bgs., c.l., works.. 100 lbs. 7.00 - —
l.c.l. .....100 lbs. 7.50 - 8.00
Antimoniate, bbls., dlvd.....lb. .16 - .16½
Arsenate, dms., dealers, c.l., works..lb. .09⅝- —
l.c.l., works.....lb. .10⅝- .11¼
gray, dms., dealers, c.l., works..lb. .08¾- —
l.c.l., works.....lb. .09 - .10
Soda arsenite, gray, ¾c. higher in Chi.; 2c. higher in Houston, Tex., and Palo Alto, Calif.
Ash, dense, 58%, bgs., c.l., works..100 lbs. 1.15 - —
l.c.l., dlvd., zone 1.... 100 lbs. 2.13 - —
2.....100 lbs. 2.23 - —
3.....100 lbs. 2.33 - —
4.....100 lbs. 2.98 - —
bbls., c.l., wrks, Zone 1.. 100 lbs. 1.35 - —
l.c.l., Zone 1.....100 lbs. 1.35 - —
2.....100 lbs. 2.50 - —
3.....100 lbs. 2.75 - —
4.....100 lbs. 3.15 - —
bulk, c.l., works...100 lbs. .95 - —
extra light, 58%, bgs., c.l.. 100 lbs. 1.13 - —
l.c.l., dlvd., zone 1..... 100 lbs. 2.13 - —
2.....100 lbs. 2.23 - —
3.....100 lbs. 2.53 - —
4.....100 lbs. 2.93 - —
bbls., c.l., works..100 lbs. 1.45 - —
l.c.l., dlvd., zone 1..... 100 lbs. 2.45 - —
2.....100 lbs. 2.60 - —
3.....100 lbs. 2.95 - —
4.....100 lbs. 3.35 - —
bulk, c.l.....100 lbs. .90 - —
light, 58%, bgs., c.l., works.. 100 lbs. 1.05 - 1.13
l.c.l., dlvd., zone 1..... 100 lbs. 2.13 - —
2.....100 lbs. 2.23 - —
3.....100 lbs. 2.53 - —
4.....100 lbs. 2.93 - —
bbls., c.l., works...100 lbs. 1.35 - —



Few industries can offer the drama and the grandeur of America's great steel industry. The sight of the molten steel, rushing headlong, spilling its blazing fury into and over the great ladles...The almost endless stream of products—automobiles, planes, farm machinery, domestic appliances and thousands of other articles...here is drama implicit every step of the way.

Sulphuric acid, easily and economically made from Sulphur produced by Freeport Sulphur Company, has an important role in the steel industry for cleaning and preparation of surfaces by pickling. This soaking in acid removes scale from both intermediate and finished products to prevent difficulties in subsequent manufacture and to improve surface protective coatings.

Today, the Freeport Sulphur Company has an ample supply on hand to meet all anticipated demands. Our above-ground stocks, coupled with under-ground reserves and modern mining methods assure a continued dependable supply.

SOME OF THE PRODUCTS REQUIRING SULPHUR

ACIDS
CHEMICALS
CLEANING FLUIDS
DRUGS
DYESTUFFS
EXPLOSIVES
FABRICS
FERTILIZERS
FILM
FOOD PRESERVATIVES
FUMIGANTS
FUNGICIDES
GASOLINE
GLASS
GLUE
GLYCERIN
INSECTICIDES
KEROSENE
LEATHER
LUBRICANTS
MATCHES
MEDICINE
PAINTS
PAPER
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PLASTICS
PROCESSED FOODS
REFINED METALS
REFRIGERANTS
RESINS
RUBBER
SYNTHETIC RUBBER
SOAP
SODA
SOLVENTS
STEEL
SUGAR
TEXTILES

FREEPORT SULPHUR COMPANY
OFFICES: 122 E. 42nd ST. • NEW YORK 17, N. Y.
MINES: PORT SULPHUR, LA. • FREEPORT, TEX.

SULPHUR SERVES INDUSTRY

Soda ash, light, 58%, bbls., l.c.l., dlvd., zone 1..100 lbs. 2.35 - —
2 ..... 100 lbs. 2.50 - —
3 ..... 100 lbs. 2.75 - —
4 ..... 100 lbs. 3.15 - —
bulk, c.l. ..... 100 lbs. .90 - —

Soda ash sales zones are:—(1) All States E. of Miss. R. and N. of south bound. of Ky. and Va.; also Ala., La., and Miss., S. of 31°, Tex. E. of 100°, S. of 31° Fla.; also Me., N. H., and Vt., in which there are special county zones; Davenport, Ia., and St. Louis; (2) Ark., E. of 93° Gta.; Iowa (except Davenport), Minn.; Mo. (except St. Louis), Neb. E. of 98°, N. C., S. C., Tenn. and Tex. N. of 31° and E. of 100° (except Wichita Falls); also Ala., La. and Miss. No. of 31°; (3) Ark. W. of 93°, Kans., Neb., W. of 98°, N. D., Okla., S. D., Tex. W. of 100° (including Wichita Falls excluding El Paso); (4) Ariz., Colo., Idaho, Mont., Nev., N. M., Utah, Wyo., and El Paso, Tex.

Benzoate, tech., bbls., 2 tons or more..lb. .39 - —
smaller lots..... lb. .46 - .41
USP, dms., 2 tons or more..lb. .46 - —
smaller lots..... lb. .47 - .53
Bicarbonate, tech., bgs., c.l., works..100 lbs. 1.85 - —
l.c.l., works..... 100 lbs. 1.90 - —
USP, gran., bgs., c.l., works. 100 lbs. 2.10 - —
l.c.l. ..... 100 lbs. 2.45 - —
Bichromate,[1] bgs., c.l., works. lb. .07¾- —
l.c.l., works..... lb. .07¾- .08¼
Soda bichromate, in bbls., ¼c. higher.
Bifluoride, bbls., c.l., frt. alld. E..lb. .11¼- —
l.c.l., same basis..... lb. .12 - .14
kgs., same basis..... lb. .13½- .14
Bisulphite, powd., bbls., c.l., works..100 lbs. 3.00 - 3.10
l.c.l., works..... 100 lbs. 3.50 - 3.60
solut., 32°, bbls., c.l., works, 100 lbs. 1.30 - —
l.c.l., works..... 100 lbs. 1.55 - —
30° bbls., c.l., works..100 lbs. 1.35 - —
l.c.l., works..... 100 lbs. 1.60 - —
35°, bbls., c.l., works. 100 lbs. 1.40 - —
l.c.l., works..... 100 lbs. 1.65 - —
40°, bbls., c.l., works. 100 lbs. 1.55 - —
l.c.l., works..... 100 lbs. 1.80 - —
Bromide, USP, gran., bbls., 500 lbs., works..lb. 25 - —
fiber dms., 100 lbs., works, lb. .26 - —
Cacodylate, bots., dms.....lb. 8.50 -10.50
Carbonate (see Soda ash, Soda monohydrate Soda sal).
Caustic, flake, powd., 76%, dms., c.l., works..100 lbs. 2.70 - —
l.c.l., Zone 1, dlvd. 100 lbs. 3.55 - —
2, dlvd..... 100 lbs. 3.70 - 5.05
3, dlvd..... 100 lbs. 3.95 - 5.30
4, dlvd..... 100 lbs. 4.35 - 5.70
liquid, 47-49%, buyer's tanks, works..100 lbs. 1.92½- —
seller's tanks, works. 100 lbs. 1.95 - —
70%, buyer's tanks, works. 100 lbs. 1.97½- —
seller's tanks, works. 100 lbs. 2.00 - —
solid, 76%, dms., c.l., works. 100 lbs. 2.30 - —
l.c.l., zone 1, dlvd..100 lbs. 3.15 - —
2, dlvd..... 100 lbs. 3.30 - —
3, dlvd..... 100 lbs. 3.55 - —
4, dlvd..... 100 lbs. 3.95 - —
Caustic soda zones are same as soda ash.
Chlorate cryst., bgs., c.l., works..lb. .06¼- —
l.c.l., works..... lb. .06½- —
powd., kgs., c.l., works....lb. .06½- —
l.c.l., works..... lb. .07 - .08¼
Chloride (see Salt).
Chromate,[1] bbls., cks., c.l., works, frt. equald..lb. .09¼- —
l.c.l., works, frt. equal..lb. .09½- .09¾
Soda chromate in bgs. is ¼c. less.
Citrate, USP VIII, bbls.....lb. .18½- —
dms. ..... lb. .19½- .22½
USP XII, gran., bbls.....lb. .24 - —
dms. ..... lb. .25 - .29
powd., bbls..... lb. .24½- —
dms. ..... lb. .25½- .30½
Cyanide, 96-98%, dms..... lb. .14½- .15
Diacetate, 33-35% acidity, bbls., dlvd..lb. .09½- .10½
anhydrous, dms., dlvd....lb. .12¾- —
Fluoride, white, 90%, bbls., c.l., works..lb. .07 - —
l.c.l., works..... lb. .08 - —
95%, bbls., c.l., works...lb. .07½- —
l.c.l., works..... lb. .08¼- —
Soda fluoride prices at Los Angeles are f.a.s. works.
Formate, bgs., c.l., works..lb. .0655- —
l.c.l., works..... lb. .068 - —
Glutamate, monobasic, kgs..lb. 1.01 - 1.06
Glycerophosphate, NF, crys., bbls..100 lbs. 1.25 - —
dms. ..... lb. 1.40 - —
powder, 5c. higher.
solution, 50%, cbys., cns...lb. .82 - .90
Hydrosulphite, dms., c.l., frt. alld..lb. .10½- —
l.c.l., frt. alld..... lb. .13 - —
Hydroxide, USP, sticks, dms.lb. .24 - .25
lech. (see Soda caustic).
Hypophosphite, NF, cns.....lb. .67 - .70
Hyposulphite, crys., bgs., c.l., works, frt. equald..100 lbs. 2.25 - —
l.c.l., same basis...100 lbs. 2.50 - —
pea, cryst., bgs., c.l., works.. 100 lbs. 2.60 - —
Soda, hyposulphite, crystals, in bbls., 20c. higher; pea crystals, dms., 50c. higher.
USP, cryst., bbls..... lb. .10 - .12
Iodate, dms., jars..... lb. 5.40 - 5.45
Iodide, bots..... lb. 2.53 - 2.57
dms., jars..... lb. 2.42 - —
Mandelate, dms..... lb. 3.25 - 3.35
Metaborate, gran., bbls., c.l., dlvd..lb. .0435- —
l.c.l., N. Y., or Chi....lb. .051 - —
bgs., c.l., dlvd..... lb. .0435- —
l.c.l., N. Y., or Chi....lb. .046 - —
Metanilate, bgs..... lb. .40 - —
Metasilicate, anhyd., dms., c.l., works, frt. equald.. 100 lbs. 4.00 - —
l.c.l., same basis...100 lbs. 4.20 - 4.30
gran., bbls., c.l., works, frt. equald..100 lbs. 2.50 - —
l.c.l., dlvd..... 100 lbs. 2.30 - 2.55
Methylate, bots., works..... lb. 1.00 - —
cns., works..... lb. .55 - .60
dms., works..... lb. .45 - .60
Molybdate[1], anhyd., kgs., works, lb. .47 - —
Monohydrate, bgs., c.l..100 lbs. 2.20 - —
works ..... 100 lbs. 2.45 - —
Naphthionate, bbls..... lb. .50 - —
Nitrate, crude, dms., 100-lb. bgs., c.l., works..ton.20.05 - —
bulk, c.l., works..... ton.27.00 - —
refd, gran., bbls., 10 tons.. 100 lbs. 3.60 - —
smaller lots..... 100 lbs. 3.75 - 4.00

Soda nitrate, imp., 100-lb. bgs., c.l., Atl. Gulf, Pac. whse. ton.32.00 - —
200-lb. bgs., same basis. ton.32.40 - —
bulk, same basis..... ton.30.00 - —
Nitrite, 96-98%, bbls., c.l., works, frt. equald..lb. .09¾- —
west coast ports..100 lbs. 3.00 - 3.05
l.c.l., dlvd..... 100 lbs. 3.90 -11.90
Orthosilicate, anhyd., dms., c.l., works, frt. equald. 100 lbs. 4.50 - —
l.c.l., same basis..100 lbs. 5.45 - 5.50
flake, dms., c.l., works. 100 lbs. 3.10 - —
l.c.l., dlvd..... 100 lbs. 4.30 - 4.35
Oxalate, neut., bgs., works..lb. .10 - —
Pantothenate, dextrorotary, 100-gram bots..per gram. .10 - —
Pentachlorophenate, briquets, bgs., works, frt. equald..lb. .17 - .18
powd., bgs., c.l., works, frt. equald..lb. .16 - .16¼
l.c.l., works, frt. equald.lb. .17 - —
kgs., l.c.l., works, frt. equald..lb. .19 - —
Perborate, NF, bbls., c.l., wks. lb. .14¾- —
l.c.l., works..... lb. .15½- —
Peroxide, dms., c.l., dlvd. E. of Miss..lb. .14 - —
smaller lots..... lb. .17 - —
Phosphate, dibasic, tech., anhyd., bgs., c.l., works, 100 lbs. 6.00 - 6.20
l.c.l., works....100 lbs. 6.40 - 6.75
cryst., bgs., c.l., works.. 100 lbs. 2.65 - 2.70
l.c.l., works....100 lbs. 2.95 - 3.45
USP XII, dried, bbls., dms., works..lb. .159 - —
monobasic, anhydrous, bgs., c.l., works..100 lbs. 7.25 - 8.25
l.c.l., works..... 100 lbs. 7.65 - 9.00

Soda phosphate, tribasic, anhydrous, bgs., c.l., works, frt. equald..100 lbs. 6.00 - 6.95
l.c.l., same basis.100 lbs. 6.50 - 7.00
cryst., bgs., c.l., works.... 100 lbs. 2.70 - —
l.c.l., same basis..100 lbs. 3.10 - —
kgs., c.l., works...100 lbs. 3.40 - —
l.c.l., works....100 lbs. 3.80 - —
Soda phosphate m bbls. 20c. higher. USP (see Sodium phosphate, dibasic).
Prussiate, yellow, bgs.....lb. .10¾- —
bbls. ..... lb. .11 - —
Pyrophosphate, ferric, dms., 10,000 lbs., works..lb. .22 - —
smaller lots, works.....lb. .22½- —
tetra-basic, anhydrous, bgs., c.l., works, frt. equald.. 100 lbs. 5.25 - —
l.c.l., same basis.100 lbs. 5.40 - 5.75
Ricinoleate, tech., bbls..... lb. .12 - —
Sal, bgs..... 100 lbs. 1.35 - —
works ..... 100 lbs. 1.10 - —
bbls. ..... 100 lbs. 1.40 - —
works ..... 100 lbs. 1.20 - —
Salicylate, dms..... lb. .52 - .54
Sesquicarbonate, bgs., c.l., wks. 100 lbs. 1.50 - —
bbls., c.l., works..... 100 lbs. 1.70 - —
l.c.l., zone 1, dlvd....100 lbs. 2.70 - —
2, dlvd..... 100 lbs. 2.85 - —
3, dlvd..... 100 lbs. 3.10 - —
4, dlvd..... 100 lbs. 3.50 - —
Soda sesquicarbonate l.c.l. price zones are same as those for soda ash.
Sesquisilicate, dms., c.l., works. 100 lbs. 3.05 - —
l.c.l., dlvd..... 100 lbs. 4.05 - 4.30

Soda silicate, 40°, turbid, dms., c.l., works..100 lbs. .80 - —
l.c.l., works..... 100 lbs. 1.05 - 1.20
tanks, works..... ton.13.00 - —
52°, turbid, dms., c.l., works, 100 lbs. 1.40 - —
l.c.l., works..... 100 lbs. 1.65 - 1.80
tanks, works..... ton.25.00 - —
Silicofluoride, bbls., c.l., works. lb. .06¼- .07
l.c.l., works..... lb. .07 - .07½
Stannate, dms., works, frt. alld. E..lb. .23½- .26½
Stearate, bbls., works..... lb. .19 - .24
Sulphate, NF, dried, powd., bbls..lb. .07 - .07½
tech., anhyd., bgs., c.l., wks. 100 lbs. 1.70 - —
l.c.l., works..... 100 lbs. 1.95 - 2.20
cryst. (see Glauber's salt).
USP, cryst., gran., bbls....lb. .07 - .10
Sulphide, cryst., bbls., c.l., works..100 lbs. 2.40 - —
l.c.l., dlvd..... 100 lbs. 2.90 - 3.15
solid, bbls., c.l., works. 100 lbs. 2.15 - —
l.c.l., dlvd..... 100 lbs. 2.65 - 2.90
Sulphite, cryst., bgs., c.l., works..100 lbs. 2.10 - —
l.c.l., works..... 100 lbs. 2.35 - —
bbls., c.l., works..... 100 lbs. 2.30 - —
l.c.l., works..... 100 lbs. 2.55 - —
powd., bbls., c.l., works.... 100 lbs. 2.25 - —
l.c.l., works..... 100 lbs. 2.50 - 2.60
Sulphocarbolate, USP IX, gran., bbls., dms..lb. .28 - .33
powd., bbls..... lb. .30 - .35
Sulphocyanide, CP, dms..... lb. .55 - .65
Sulphohydrate, liquid, 38%, dms., c.l., works, 100% basis. lb. .06 - —
l.c.l., works..... lb. .06 - —

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Soda sulphohydrate, liquid, 58%, tanks, 100% basis, works, lb. .03¾- —
flake, 70-72%, dms., c.l., works..lb. .04½- —
l.c.l., works.....lb. .05 - —
Sulphoricinoleate, bbls.....lb. .12 - —
Thiocyanate (see Soda, sulphocyanide).
Thiosulphate (see Soda hyposulphite).
Tungstate,[1,6] tech., kgs.....lb. 1.35 - 1.50
Soda-cinchophen, bots., dms...lb. 3.75 - 3.85
Soda-formaldehyde sulphoxalate, stand. cont. 125-250 lbs...lb. .19 - .23
Soda-sulphadiazin, USP, dms..lb.10.50 -10.60
Soda-sulphamerazin, dms.....lb.10.50 -10.60
Soda-sulphapyridine, powd., bots., dms..lb. 5.00 - 5.30
Soda-sulphathiazole, USP, dms., lb. 2.50 - 2.80
Solvent naphtha, dms., wks..gal. .31 - —
tanks, E. of Omaha, frt. alld. sal. .26 - —
Minnesqua, Colo.....gal. .26 - —
high-flash, dms., works..gal. .32 - —
tanks, frt. alld. E. of Omaha to 2c. per gal..gal. .27 - —
wire enamel, ret. dms., c.l., frt. equalized..gal. .27 - —
l.c.l., same basis....gal. .30 - —
tanks, works.....gal. .22 - —
Sorbitol, com'l, dms., c.l., works, lb. .16¾- —
l.c.l., works.....lb. .17¾- —
Soybean meal,[1,7] 41%, bulk, c.l., Decatur..ton.45.00 - —
Protein, alpha, bgs., 40,000 lbs., works..lb. .20 - —
20,000 lbs., works.....lb. .20¼- —
smaller lots, works.....lb. .20½- .24
Sparteine sulphate, bots., cns..oz. 2.25 - 2.35
Spearmint leaves, bls.....lb. .48 - .49
Spikenard root, bls.....lb. .48 - .55
Spruce extract, liq., reg., bbls., c.l., works..lb. .02½- —
tanks, works.....lb. .01½- —
pwd., super, bgs., c.l., wks.lb. .04¼- —
Squaw vine, bls.....lb. .53 - .55
Squill, red, fortified, powd., bbls., bxs..lb. 1.60 - —
White, bls.....lb. .10 - .12
powd., bbls., bxs..... nominal
St. Ignatius beans, bgs.....lb. No stocks
St. John's bread, edible, bls...lb. .10¾- .11¼
Starch, corn, pearl, bgs..100 lbs. 4.06 - —
Chicago .....100 lbs. 3.72 - —
powd., bgs.....100 lbs. 4.19 - —
Chicago .....100 lbs. 3.83 - —
Potato, bgs., c.l.....lb. .0637- —
l.c.l. .....lb. .0712- —
Rice, bgs., c.l.....lb. No stocks
Sweetpotato, bgs.....lb. No stocks
Wheat, thick boil, bgs.....lb. .05 - —
Starch, iodide, bots.....lb. 1.87 - —
Stearin, oleo (see Oleostearin).
Stillingia root, bls.....lb. No stocks
Stoneroot, bls.....lb. .07½- .08
Storax, cs.....lb. 1.10 - 1.15
Stramonium leaves, bgs.....lb. .21 - .22
Seed, bgs.....lb. .20 - .21
Strontium bromide, cns., dms..lb. .52 - .55
Carbonate, 90%, bbls.....lb. .14 - .16
98%, bbls.....lb. .23 - .25
Chloride, tech., bbls.....lb. .22 - .24
mesh 90%, bbls., works..ton.58.00 - —
Chromate, bbls., kgs., Phila.lb. .35 - .37
Iodide, bots.....lb. 2.06 - 3.15
jars, 25 lbs.....lb. 3.00 - —
Lactate, dms.....lb. 1.30 - 1.35
Nitrate, bbls., c.l., works....lb. .07¾- —
l.c.l., works.....lb. .08¼- .08¾
Oxalate, bbls., works.....lb. .38 - .40
Salicylate, NF, dms.....lb. 1.10 - 1.15
Sulphate, nat., air-floated, 325 mesh 90%, bbls., works..ton.58.00 - —
Strontium-calcium sulphide, phosphorescent, dms., works..lb. 2.50 - 2.85
Strophanthin, bots.....oz.30.00 -50.00
Strophanthus seed, Kombe, bgs., lb. 2.40 - 2.45
Strychnine, NF, powd., cns., 100 ozs..oz. 1.25 - —
Sulphate, USP, powd., cns., 100 ozs..oz. 1.00 - —
Styrolyl acetate, bots.....lb. 2.50 - 3.10
Sucrose octa-acetate, denat., bbls., l.c.l., works..lb. .45 - —
tech., bbls., l.c.l., works...lb. .40 - —
Sugar coloring (see Caramel coloring).
Sugar of milk (see Milk sugar).
Sulphadiazine, USP, dms.....lb. 9.00 - 9.10
Sulphaguanidin, dms.....lb. 4.50 - 4.60
Sulphamerazin, dms.....lb. 9.00 - 9.10
Sulphanilamide, USP, bots....lb. 1.50 - —
5lb. dms.....lb. 1.05 - 1.25
Sulphanilamide, 20-60 mesh, 10c. higher.
Sulphapyridin, powd., bots., tins, lb. 5.00 - 5.30
Sulphathiozole, dms.....lb. 2.50 - 2.80
Sulphonethylmethane, kgs.....lb. 6.75 - 6.85
Sulphonmethane, kgs.....lb. 5.25 - 5.35
Sulphur, crude, c.l., bulk, mines, contract..long ton.16.00 - —
vessels, Gulf ports, contract..long ton.17.50 - —
flour, comm'l, 99½%, bgs., c.l., works..100 lbs. 1.65 - —
l.c.l., works.....100 lbs. 2.00 - 2.11
precipitated, USP, bbls., kgs., lb. .18 - .30
refined, flour, extra fine, bgs., c.l., works..100 lbs. 2.90 - —
l.c.l., works.....100 lbs. 3.25 - 3.40
heavy, bgs., c.l., works..... 100 lbs. 2.60 - —
l.c.l., works.....100 lbs. 2.95 - 3.10
light, bgs., c.l., works..100 lbs. 2.70 - —
l.c.l., works.....100 lbs. 3.05 - 3.20
flowers, USP, bgs., c.l., works. 100 lbs. 3.05 - —
l.c.l., works.....100 lbs. 3.40 - 3.55
Refined sulphur flowers in bbls., 35c. higher.
rock, bbls., c.l., works.100 lbs. 2.25 - —
l.c.l., works.....100 lbs. 2.55 - 2.70
roll, bbls., c.l., works.100 lbs. 2.40 - —
l.c.l., works.....100 lbs. 2.75 - 2.90
rubbermakers', bgs., c.l., wks. 100 lbs. 1.85 - —
Sulphur chloride, 33-gal. dms., c.l., works..lb. .03 - .03½
l.c.l., works.....lb. .04 - .04½
10-gal. dms., c.l., works...lb. .07 - .07½
l.c.l. .....lb. .08 - .08½
Dioxide, liquid, com'l, cyls., c.l., works..lb. .07 - —
l.c.l. .....lb. .08 - —
multi-unit cars, works..lb. .04½- .06
tanks, works.....lb. .04 - —
refrigeration, cyls., l.c.l., works..lb. .16 - .21
Iodide, bots., jars.....lb. 3.90 - 4.11
Sumac extract, No. 1, bbls....lb. .08 - —
No. 2, bbls.....lb. .07 - —
stainless, bbls.....lb. .09 - .11
Superphosphate,[1] pulverized, run-of-pile under 22% a.p.a., bulk, production points, Balto..unit-ton. .85 - —
Florida .....unit-ton. .51 - .54
others .....unit-ton. .57 - .84
Delivery points, Ariz., Calif., Colo., Ida., Kans., Nev., N. M., Ore., Utah, Wash., 85½c. per unit-ton plus frt. charge from Anaconda, Mont., in excess of $3.03 per ton; guaranteed 18, 19 or 20% a.p.a., ½c. per unit-ton higher.
triple, 40% or more, a.p.a., bulk, producing points, Florida. unit-ton. .63 - —
South Carolina..unit-ton. .70 - —
Tennessee .....unit-ton. .75 - —
Other States and D.C., 62c. per unit-ton plus frt. charge for 40% from E. Tampa, Fla.
Superphosphate, gran., 2c. per unit-ton higher than pulverized.
Sweet basil, bls.....lb. 1.00 - 1.25

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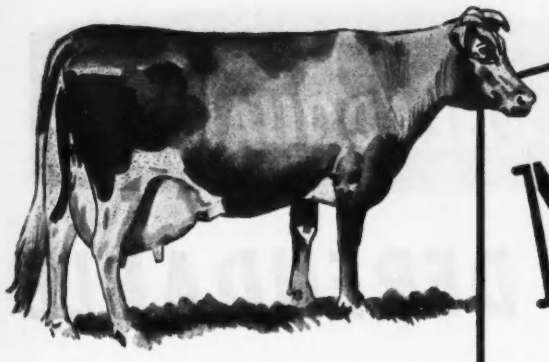
Talc,[1] dom., ordinary, grd., bgs., c.l., works..ton.14.50 -24.50
l.c.l., works.....ton.16.50 -30.00
Calif., bgs., c.l., wks.ton.17.50 -43.00
Pennsylvania, bgs., c.l., works..ton.11.00 -18.50
l.c.l., works.....ton.12.00 -14.50
Vermont, bgs., c.l., works. ton.14.00 - —
l.c.l., works.....ton.15.00 - —
fibrous, grd., coarse, off-color, New York, bgs., c.l., works, ton.13.00 - —
fine, New York, 325 mesh, 93-94%, bgs., c.l., works. ton.13.00 -18.00
98 - 99.5%, bgs., c.l., works..ton.15.25 -19.25
99.65 - 99.95%, bgs., c.l., works..ton.17.00 -21.00
imp. Canada, bgs., c.l.....ton.24.00 -30.00
Tallow,[1,7] edible, tanks.....lb. .08¾- —
inedible, extra, loose.....lb. .08¾- —
special, loose.....lb. .08½- —
sulphonated, 50% (42% fat), dms., c.l..lb. .07 - .07½
(70% fat), dms., c.l.....lb. .10 - .10½
Tallow, sulphonated, l.c.l., ½c. higher.
Tamarind, bbls.....lb. .13 - .14
Tankage,[1,7] animal, feed grd., 9-11% ammon., bulk, unit-ton. 5.53 - —
Chicago .....unit-ton. 5.53 - —
fert. grd., 9% ammon., 10% b.p.l., bulk..unit-ton. 4.00 & .10
10-11% ammon., 15% b.p.l., bulk, Chicago..unit-ton. 4.00 & .10
Tapioca flour,[1,8] bgs.....lb. .07 - .07½
Java, bgs.....lb. No stocks
Tar acid oil, 15-18%, dms., c.l., works..gal. .26½- —
l.c.l., works.....gal. .28½- —
25%, dms., c.l., works..gal. .30 - —
l.c.l., works.....gal. .32 - —
Tar, pine (see Pinetar).
Tara[1] pods, c.l., ex dock U. S. ports..long ton.67.25 - —
powd., c.l., same basis.... long ton.125.00 - —
Tara,[1] powd., c.l., ex dock, U. S. ports..long ton.112.00 -115.00
Tarragon herb, bgs.....lb. .60 - .65
Leaves, bgs.....lb. 1.20 - 1.25
Tartar emetic, tech., gran. or powd., bbls., kgs..lb. .47¾- .48
dms.....lb. .48½- .51
USP, powd., bbls., dms., kgs. lb. .52¾- .56
Terpin hydrate, com'l, bbls., c.l. lb. .24½- —
l.c.l. .....lb. .25 - .25½
USP, cryst., bbls., dms....lb. .70 - .75
powd., bbls., dms.....lb. .75 - .80
Terpineol, alpha (see A).
com'l, dms., c.l., South.....lb. .13½- —
l.c.l., South.....lb. .14 - —
tanks, South.....lb. .12 - —
pure, dms.....lb. .34 - .50
Terpinglycol ether, dms. (extra), c.l., works..lb. .19½- —
l.c.l., works.....lb. .20 - —
tanks, works.....lb. .19 - —
Terpinyl acetate, extra, cns., dms..lb. .90 - 1.15
prime, cns., dms.....lb. .75 - 1.05
Terra alba (see Gypsum).
Tetrachloroethane, dms., works, lb. .08 - .08½
Tetrachloroethylene, NF VI, 55-gal. dms., works..lb. .20 - .21½
smaller dms., works.....lb. .23½- .25½
tech. (see Perchloroethylene).
Tetrallin, dms.....lb. .19 - —
Tetrasodium pyrophosphate (see Soda pyrophosphate).
Thallium sulphate, 90%, bots., works..lb.12.50 Nom.
Theobromine,[1] dms., 25-lb. lots.. lb. 2.80 - —
smaller lots.....lb. 2.90 - 3.00
Thiamine hydrochloride, dms., 100 grams or more..kilo.160.00 - —
Thiocarbanilide, dms.....lb. .24 - —
Thiourea, CP, dms.....lb. .55 - .66
Thorium nitrate, cs., works...lb. 2.00 - —
Thyme, California, French type, bls., Pacific Coast..lb. .90 - .92
Spanish, bls.....lb. .14 - .14½
Thymol, cns.....lb. 2.40 - 2.75
Iodide, dms.....lb. 3.40 - 3.80
Timbo root (see Cube root).
Tin chloride,[6] anhydrous.....lb. No stocks
crystals,[6] bgs., bbls.....lb. No stocks
Metal,[1,6] .....lb. .52 - —
Bolivian .....lb. .63½- —
Straits .....lb. No stocks
Oxide,[1,6] bbls.....lb. .54 - .55
Tetrachloride,[6] anhyd., dms., works lb. .31 - .33
Titanium dioxide,[1,4] chalk resistant, bgs., c.l., dlvd..lb. .15 - —
l.c.l., dlvd.....lb. .15½- .15¾
nonchalking,[1,4] bgs., c.l., dlvd. E..lb. .16½- —
l.c.l., dlvd.....lb. .16¾- .17¼
plain, bgs., c.l., dlvd.....lb. .14½- —
l.c.l., dlvd.....lb. .14¾- .15½
Hydride, cns., works.....lb. 7.00 - 8.00
Pigment, barium, base,[1,4] bgs., c.l., dlvd..lb. .05¾- —
l.c.l., dlvd.....lb. .06 - —
Calcium base,[1,4] bgs., c.l., dlvd..lb. .05½- —
l.c.l., dlvd.....lb. .05¾- —
Calcium-rutile base,[1,4] bgs., c.l., dlvd..lb. .05½- —
l.c.l., dlvd.....lb. .05¾- —



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Remember these points whenever you buy naphthas . . . remember that Skellysolve *still* serves you *best!*

SKELLYSOLVE IN THE INK, PAINT, AND DRUG FIELD

The special solvent qualities required in this field are found in Skellysolve . . . purity, uniformity, close boiling ranges, low evaporation, etc. That is why you can rely on every Skellysolve. Remember—there is one with special qualities for production of high-quality paint, varnish, oilcloth, ink, linoleum, and other related products . . . as well as for laboratory use.

For instance, there is a full line of V. M. & P. naphthas, mineral spirits, and lacquer diluents, plus many other special hydrocarbons.

And, for help on your particular problems, use the service of Skellysolve Technical Fieldmen. For full details, write us today.

SKELLY

SKELLYSOLVE

SOLVENTS DIVISION, SKELLY OIL COMPANY
SKELLY BLDG., KANSAS CITY, MISSOURI

Titanium pigment, magnesium base,[1,4] dlvd..lb. .05¾- —
l.c.l., dlvd.....lb. .06 - —
Titanium dioxide and pigment in bbls., ½c. higher; Pac. coast, c.l., dlvd., l.c.l., ex whse., ¼c. higher.
Tetrachloride, CP, 55-gal. dms., works..lb. .57 - —
smaller pkgs., works.....lb. .65 - 1.22
technical, 55-gal. dms., works. lb. .32 - —
smaller pkgs., works.....lb. .40 - 1.00
Tolu balsam, cns.....lb. 2.25 - 2.35
Toluidin base, distilled, kgs...lb. .96 - —
Toluene (see Toluol).
Toluol (toluene), coaltar, 2°, indust., dms., return, wks. gal. .32 - —
tanks, E. of Omaha, frt. alld..gal. .27 - —
West Minnequa, Colo..gal. .27 - —
1°, nitration, ret. dms., works. gal. .32 - —
tanks, E. of Omaha, frt. alld..gal. .27 - —
West Minnequa, Colo..gal. .27 - —
Petroleum toluol prices, same as those for coaltar toluol.
Tonga, 50% bark and vine, bbls. lb. .90 - .91
Tonka beans, Angostura, cks.lb. 1.50 - 1.60
Brazilian, Surinam, cs....lb. .90 - .95
Totaquine,[1,6] USP XII, 100-ozs. lots..oz. .52 - —
Triacetin, dms., works.....lb. .28 - .32
Triamylamine, dms., c.l., works. lb. .58 - —
l.c.l. .....lb. 1.01 - —
Tributyl citrate, dms.....lb. .29 - .31
smaller pkgs.....lb. .34 - .40
Phosphate, cns., l.c.l., dlvd..lb. .53 - .55
dms., l.c.l., dlvd.....lb. .49 - —
Tributylamine, dms., c.l., works. lb. .78 - —
l.c.l., works.....lb. .81 - —
Trichlorobenzene, dms., c.l., frt. alld..lb. .06 - —
l.c.l., frt. alld.....lb. .06½- —
tanks, frt. alld.....lb. .07½- —
Trichloroethane, dms., c.l., works. lb. .15 - —
l.c.l., works.....lb. .17 - —
Trichloroethylene, dms., c.l., Zone 1, works, frt. alld..lb. .08 - —
Zone 2, frt. alld.....lb. .08½- —
Zone 3, frt. alld.....lb. .09 - —
Zone 4, ex whse.....lb. .09 - —

Trichloroethylene, l.c.l., prices, ½c. higher. Zones are—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis., Omaha, K. C., Kan.; (2) Ala., Ark., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D.; (3) Col., Mont. (E), N. M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont. (W), Nev., Ore., Utah, Wash.

Tricresyl phosphate, tech., cns., works..lb. .28 - .30½
dms., c.l., dlvd.....lb. .25 - —
l.c.l., dlvd.....lb. .26½- —
tanks, dlvd.....lb. .24 - —
Triethanolamine, dms., c.l., frt. alld. in E..lb. .19½- —
l.c.l., same basis.....lb. .20½- —
tanks, same basis.....lb. .18½- —
Triethyl phosphate, cns.....lb. .40 - —
Triethylamine, dms., c.l., works, basis 100%..lb. .34 - —
l.c.l., works, basis 100%....lb. .36 - —
tanks, works, basis 100%....lb. .30 - —
Triethyleneglycol, dms., c.l., frt. alld. in E..lb. .13½- —
l.c.l., same basis.....lb. .19½- —
tanks, same basis.....lb. .17½- —
Trimethylamine, dms., c.l., dlvd. lb. .35 - —
l.c.l., dlvd.....lb. .90 - —
Trimethyloipropane, bbls.....lb. .65 - —
Triphenyl phosphate, bbls., c.l., frt. alld..lb. .31 - —
l.c.l., same basis.....lb. .32 - —
Tripoli,[1] air-floated, bgs., c.l., works..ton.21.50 - —
double-grd., bgs., c.l., works.. ton.17.50 - —
once-grd., bgs., c.l., works.ton.16.00 - —
Trisodium phosphate (see Soda phosphate tribasic).
Tuba root (see Cube root).
Tungsten metal, powd., 99-99.7%, dms., works..lb. 2.00 - 5.40
Oxide, kgs.....lb. No prices
Turmeric root, Alleppey, bls., futures..lb. .18 - .18½
Haitian, bls. .....lb. No stocks
Jamaica, futures, bls.....lb. .16¼- .16¾
Madras, bgs. .....lb. .17¼- .17¾
Turpentine, gum, ret. dms., c.l. gal. .93½- —
l.c.l. .....gal. .94½- —
tanks, Savannah.....gal. .83½- —
Wood,[1] d.d., dms., East....gal. .65 - .70
tanks, East.....gal. .60 - —
steam-dist., ret. dms., East, gal. .80 - .86
tanks, East.....gal. .74 - .75
Sulphate, ret. dms.....gal. .65 - .70

U

Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium,[6] oxide, black, bgs...lb. 2.55 - —
yellow, kgs.....lb. 1.05 - —
Urea-ammonia liquor (A and B), free ammonia content, Belle, W. Va., freight equalized with Hopewell, Va..ton.59.00 - —
fixed ammonia content, Belle, W. Va., freight equalized with Hopewell, Va., NH_3..ton.112.80 - —
Urea, dom., 46% N., bgs., c.l., works or ship. pts..ton.68.00 - —
l.c.l., ship. pts.....ton.70.50 -85.00
import, pure, cs.....lb. .12 - —
Fertiliser comp., 42% N., bulk, c.l., works, or Atlantic or Gulf ports..ton.57.40 - —
fixed ammonia content, usual Atlantic and Gulf ports, NH_3..ton.116.80 - —

C and D prices for Urea-ammonia liquor are $1.20 per ton of nitrogen higher than the A and B respectively for the same destinations.

Urunday, solid extract, 63% tannin, ex dock, U. S. ports. lb. .05625- .05875
Uva ursi leaves, bls.....lb. .16 - .17

V

Valerian root, Belgian, NF, bls. lb. No stocks
Indian, bls.....lb. .65 - .70
Valonia, beards, bgs., f.a.s...ton. No prices
Cups, bgs., f.a.s.....ton. No prices
Vanadium[1] pentoxide, CP, bgs., cns., works..lb. 7.00 - —
tech., dms., works.....lb. 1.10 - —
Vanilla beans, Bourbon, tins..lb. 7.75 - 8.50
Mexican, cuts, tins.....lb. 9.50 -10.00
whole, tins.....lb.10.50 -11.00
Tahiti, white label, tins.....lb. 2.50 - 2.75
yellow label, tins.....lb. 2.25 - 2.50
West Indian, tins.....lb. No stocks
Vanillin,[1] ex eugenol, tins, 25 lbs. or more..lb. 2.60 - —
smaller lots, tins.....lb. 2.65 - 2.75
ex guaiacol, tins, 25 lbs. or more..lb. 2.35 - —
smaller lots, tins.....lb. 2.40 - 2.50
ex lignin, tins, 25 lbs or more. lb. 2.35 - —
smaller lots, tins.....lb. 2.40 - 2.50
Venice turpentine, artif., cns..lb. .24 - .25
Verdigris, bbls., bgs.....lb. .22 - .23
Vinyl acetate, cbys., works....lb. .25 - —
dms., c.l., works.....lb. .15 - —
l.c.l., works.....lb. .16 - —
smaller pkgs., l.c.l., works, lb. .25 - —
Vinyl ether, bots., 75 c.c., less 20% and 20%..bot. 1.50 - —
50 c.c., same basis.....bot. 1.05 - —
25 c.c., same basis.....bot. .65 - —
Trichloride (see Trichloroethane).
Vinylpyridin, ret. dms., works.lb. 1.50 - —
Viosterol (irradiated ergosterol), bots., mil., units. .10 - .12
in corn oil (see Calciferol).
Vitamin A (see Oils, codliver, halibut-liver).
B_1 (see Thiamine hydrochloride).
B_2 (see Riboflavin).
B complex, natural (see Rice bran and Yeast).
C (see Acid, ascorbic).
D (see Oils, codliver, halibut-liver, viosterol).
D_2 (see Calciferol).
E (see Alphatocopherol).
G (see Riboflavin).
P-F (see Acid, nicotinic, and Nicotinamide).
Violet, methyl, toner (see M).
V.M.P. naphtha (see Petroleum naphtha, v.m.p.).

W

Wahoo root bark, bls.....lb. .55 Nom.
Wattle bark,[1,2] E. Africa, bgs., f.a.s..ton.52.50 - —
S. Africa, merchantable, bgs., f.a.s..ton.52.50 - —
fair average, bgs., f.a.s.. ton.55.00 - —
prime quality, bgs., f.a.s.. ton.57.50 - —
extract,[1] liquid, 55% tannin, bbls., works..lb. .05½- .06¼
tanks, works.....lb. .04½- .05¼
solid, E. Afr., 61% tannin, ex dock..lb. .06596- .06845
S. Afr., 62% tannin, ex dock. lb. .0573- .0597

Wattle extract prices based on $12 freight and $1.00 insurance per long ton.

Wax, amorphous (see Wax, microcrystalline).
Bayberry, bgs.....lb. No stocks
Bees, bleached, USP, white, bricks, cakes, cs.....lb. .68 - .70
slabs, bgs.....lb. .65 - .68
crude, African, bgs.....lb. .49 - .51
Western hemisphere, bgs.lb. .53 - .55
refined, yellow, brick, bgs.lb. .61 - .62
cakes, cs.....lb. .60 - .61
Candelilla, crude, bgs.....lb. .74 - .75
refined, bags .....lb. .76 - .78
Powdered, candelilla, 20 mesh, 5c. per lb. extra; 80 mesh, 5½c.; 100-200 mesh, 6c.
Carnauba, chalky, No. 3, bgs., ton lots..lb. 1.45 - 1.50
Wax, carnauba, North Country, No. 2, bgs., ton lots..lb. 1.60 - 1.65
No. 3, bgs., ton lots.....lb. 1.55 - 1.60
refined, bgs., ton lots....lb. 1.65 - 1.70
yellow, No. 1, bgs., ton lots. lb. 1.80 - 1.85
No. 2, bgs., ton lots.....lb. 1.78 - —
Powdered carnauba prices, same differentials as powdered candelilla.
Ceresin, dom., 132°-136° m.p., bgs..lb. .12¾- .13½
138°-140° m.p., bgs.....lb. .14 - —
158°-162° m.p., bgs.....lb. .19 - .22
Japan, cs.....lb. No stocks
Microcrystalline, 170°-175° m.p., A.S.T.M., amber, ctns. 36 tons, yearly contract, group 3, works..lb. .14¼- —
amber, ctns., smaller lots, same basis..lb. .14½- .15½
black, ctns., 30 tons, same basis..lb. .12¾- —
smaller lots, same basis.. lb. .13 - .13¾
190°-195° m.p., A.S.T.M., amber, ctns., 30 tons, same basis..lb. .16½- —
smaller lots, same basis, lb. .16½- .17¼
black, ctns., 30 tons, same basis..lb. .14¾- —
smaller lots., same basis, lb. .15 - .15¾
190° - 195° m.p., A.S.T.M., white, ctns., 30 tons, same basis..lb. .24¾- —
smaller lots, same basis, lb. .25 - .25¾
Montan, domestic, bgs.....lb. No stocks
Ouricury, crude, bgs., ton lots. lb. 1.10 - 1.15

LEADERSHIP in Fundamental Research in the Insecticide Field

VELSICOL 1068*

(20% CONCENTRATION)

This outstanding contribution of American chemistry to the insect toxicant field is a significant example of VELSICOL'S leadership in fundamental research. So effective, so deadly to insects, is VELSICOL 1068 (20% concentration) that only 1% of it by volume in base oil, plus a suitable knockdown agent, produces a spray with 99 to 100% kill of flies by Peet-Grady method; and a spray formulated with 10% of VELSICOL 1068 (20% concentration) by volume in base oil yields 99 to 100% kill of cockroaches by the Beltsville test method.

VELSICOL METHYLATED NAPHTHALENES**

AR·50 For the formulation of DDT concentrates, oil or water miscible DDT sprays, and household, barn and stock sprays; its uses cover the agricultural field, both dusts and sprays.

AR·70 A high boiling solvent possessing very low volatility and a neutral odor. Ideal for use in aerosols and sprays where fine atomization is desirable.

NR·70 Solvent and co-toxicant for DDT in airplane dispersals and thermal-aerosols; for mosquito larvicides, and the control of forest and shade tree insects.

All of the VELSICOLS are Superior Solvents and Co-Toxicants for DDT, Derris and cubé resins, pyrethrum, nicotine alkaloid, and pentachlorophenol.

Maximum efficiency of insecticides depends in large measure on their all-weather stability: a formulation containing 15% of one of the VELSICOLS in a kerosene base will hold 5% DDT in solution *even at 20° below zero F.*

Manufacturers will find that there are VELSICOLS suited to their needs for every specific type of Insecticide Concentrate, and that the use of the appropriate VELSICOLS in their formulations will assure dependable products with maximum performance.

VELSICOL

* U. S. Patents Pending

** U. S. Patent No. 2, 347, 265

Samples and information about these VELSICOL Insecticide toxicants and solvents on request. You are invited to consult with VELSICOL'S staff of entomologists concerning special problems.

VELSICOL Corporation

Manufacturers of Insect Toxicants • Synthetic Resins • Coresin Core Oils • Aromatic Solvents

General Offices: 120 East Pearson Street • Chicago 11, Illinois

New York: 11 Park Place, New York 7, N. Y. Detroit: 408 Boulevard Bldg., Detroit 2, Mich. Cleveland: 1900 Euclid Ave., Cleveland, O.

Wax, ouricury, refined, bgs., ton lots..lb. 1.30 - 1.35
Powdered ouricury prices same as powdered candelilla.
Okenite, dom., 189-190 F., bgs., c.l..lb. .36 - —
l.c.l. .....lb. .38 - —
182-183 F., bgs., c.l.....lb. .31 - —
171-172 F., bgs., c.l.....lb. .27 - —
Spermaceti, blocks, cs.....lb. .47 - .52
cakes, cs.....lb. .28 - .33
White lead (see Lead, white).
White precipitate, powd., dms., 50 lbs. or more..lb. 2.50 - —
White pine bark, rossed, bls..lb. .16 - .19
Whiting,[4] chalk, dry-grd., bgs., c.l..ton.18.00 -22.00
l.c.l. .....ton.20.00 -24.00
wet-ground, bgs., c.l.....ton.21.00 -25.00
l.c.l. .....ton.25.00 -29.00
gilders, bolted, bgs., c.l.ton.20.00 -24.00
l.c.l. .....ton.21.00 -25.00
extra-bolted, bgs., c.l..ton.22.00 -26.00
l.c.l. .....ton.23.00 -27.00
Limestone, dry-grd., 325 mesh, bgs., 40 tons, N. E., works..ton. 6.00 - —
smaller lots, N.E., works. ton. 7.00 - 9.00
wet-grd., air-coated, 360 mesh, 90¾%, bgs., c.l..ton. 9.35 -10.10
200 mesh, 99¾%, bgs., c.l., ton. 8.00 - 9.50
90%, bgs., c.l.....ton. 6.25 - 7.00
water-floated, extra gilders, bgs., c.l..ton.16.00 - —
gilders, bgs., c.l.....ton.12.45 - —
putty grade, bgs., c.l..ton.12.00 - —
Paris white, bgs., c.l.....ton.24.00 -26.00
l.c.l. .....ton.25.00 -29.00
precipitated, bgs., c.l.....ton.14.00 -15.00
l.c.l. .....ton.18.00 -20.00
Wild cherry bark, thick, bls..lb. .06 - .07
thin, natural, bgs.....lb. .16 - .17
rossed, green, bls.....lb. .25 - .30
Wild indigo root, bls.....lb. .22 - .25
Witch-hazel leaves, bls.....lb. .21 - .23
Witherite (see Barium carbonate, natural).
Woodflour, 40 mesh, bulk, c.l., N. Tonawanda, N. Y..ton.20.00 - —
60 mesh, same basis.....ton.24.00 - —
80 mesh, same basis.....ton.27.00 - —
100 mesh, same basis.....ton.30.00 -32.00
Woodflour, in bags, 25c. each extra, returnable.
Wormseed, American, bgs.....lb. .20 - .22
Levant, bgs.....lb. 4.50 - 4.75
Wormwood, bls.....lb. .50 - .60

X

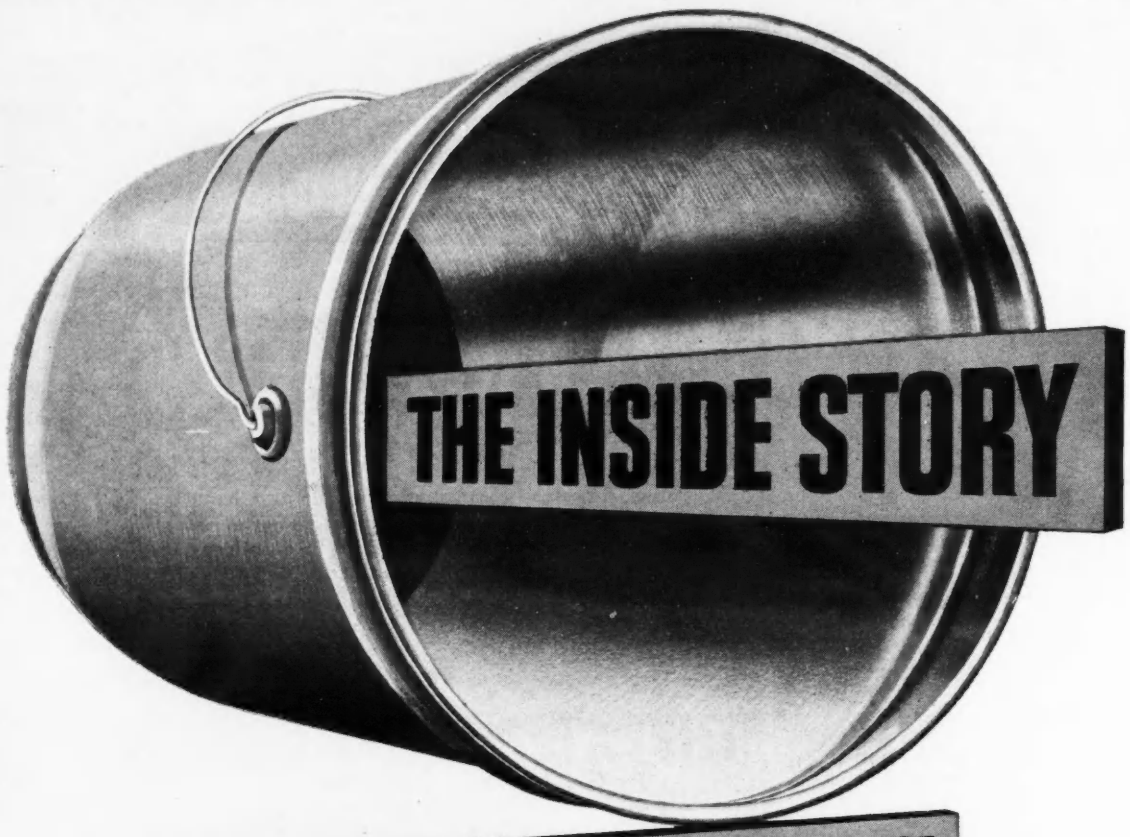
Xanthorrhiza, bls. .....lb. .28 - .30
Xylene (see Xylol).
Xylidin, mixed, dms.....lb. .35 - .36
Xylol (xylene), coaltar, indus., ret. dms., works..gal. .31 - —
tanks, E. of Omaha, frt. alld..gal. .26 - —
West Minnequa, Colo..gal. .26 - —
10°, ret. dms., works.....gal. .34 - —
tanks, E. of Omaha, frt. alld. gal. .29 - —
5°, ret. dms., works.....gal. .41 - —
tanks, E. of Omaha, frt. alld. gal. .36 - —
3°, ret. dms., works.....gal. .47 - —
tanks, E. of Omaha, frt. alld. gal. .41 - —
Petroleum xylol prices, same as those for coaltar xylol.

Y

Yara yara, cryst., bots., cns..lb. 1.75 - 1.90
Yeast, brewer's dry, 50 B units, dms..lb. .35 - —
90 B units, dms.....lb. .45 - —
200 B units, dms.....lb. .50 - —
300 B units, dms.....lb. .60 - —
Yellow, barium chromate, CP, bgs., l.c.l., dlvd. N. of Tenn. and N. C., E. of Miss. R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul..lb. .32 - —
Barium chromate yellow price differentials in other State and city zones are those for chrome yellow below.
Yellow, benzidin, bbls., dlvd..lb. 1.35 - 2.25
Cadmium, CP, bgs.....lb. 1.25 - 1.40
ton lots, E. of Rockies..lb. .55 - —
smaller lots, same basis, lb. .65 - —
sulphide, orange, cs., kgs., works..lb. 1.10 Nom.
Chrome, CP, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. R., includ. Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts..lb. .16 - —
Chrome yellow prices are ½c. higher, dlvd. Ala., Fla., Ga., La. (Shreveport), 1½c., Miss., N. C., S. C., Tenn., Dallas, Tex., 1½c.; Ft. Worth, Tex., 1½c.; El Paso, Tex., 2c.; Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St Joseph, 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Dutch, pink, bbls.....lb. .09 - .11
Hansa, bbls., same basis as chrome..lb. 1.37 - —
primrose, bbls., same basis.lb. 1.75 - —
Iron oxide, nat., bbls., c.l., Bethlehem, Easton, Pa. lb. .04½- —
l.c.l., same basis.....lb. .05 - —
synthetic, bbls., c.l., works. lb. .0633- —
l.c.l., works.....lb. .0710- —
Yellow, mercury oxide, bbls., 1,000 lbs..lb. 2.43 - —
smaller lots.....lb. 2.45 - —
Ocher American, golden, bbls., works..lb. .04½- .05¼
yellow, bbls., works.....lb. .02 - .02½
French type, bbls., c.l.....lb. .0945- —
l.c.l. .....lb. .0965- —
Persian orange (see O).
Yellow, zinc, bbls., same basis as chrome..lb. .16 - —
Navy spec. type, bbls., contract..lb. .16 - —
Yellow dock root, bls.....lb. .35 - .38
Yellow xanthorrhiza (see Xanthorrhiza).
Yerba santa leaves, bls.....lb. .30 - .32
Yohimbine hydrochlorida, vis..oz. 3.00 - 5.75

Z

Zein, bgs., 1,000 lbs., works...lb. .25 - —
smaller lots, works.....lb. .30 - —
Zinc acetate, tech., bbls., dlvd.lb. .16 - .17
USP, bbls.....lb. .26 - .27
kgs. .....lb. .29 - —
Arsenite,[1] bgs., c.l., frt. alld. E. of Rockies..lb. .11¾- .12½
l.c.l., same basis.....lb. .12¼- .13¼
Borate, bgs., c.l.....lb. .12 - —
Carbonate, tech., rubber makers' grade, bbls., works..lb. .09¾- .10¾
USP, precip., powd., bbls..lb. .35 - —
dms. .....lb. .40 - —
kgs. .....lb. .37 - —
Chloride, tech., fused, dms., c.l., works..100 lbs. 5.00 - —
l.c.l., works.....100 lbs. 5.35 - —
gran., dms., c.l., works... 100 lbs. 5.75 - —
l.c.l., works.....100 lbs. 6.50 - —
solution, 50%, dms., c.l., works..lb. .0315- —
l.c.l., works.....lb. .04¼- .04½
tanks, works.....lb. .0250- —
USP, dms.....lb. .30 - .31
jars .....lb. .35 - .36
Chromate (see Yellow, zinc).
Cyanide, kgs., works.....lb. .33 - .37
Dust,[6] bbls., c.l., dlvd.....lb. .1035- —
l.c.l., works.....lb. .1135- —
Fluoride, bbls.....lb. .25 - .30
Hydrosulphite, dms., works..lb. .14 - —
Iodide, NF, bots.....lb. 4.65 - 4.75
jars .....lb. 4.40 - —
Laurate, bbls.....lb. .32 - .33
Metal,[1] (quotations in Protective Coatings market).
Naphthenate, 8%-10% Zn, dms. lb. .16 - .19½
Oxide, pigment, dom., acicular, bgs., c.l., dlvd..lb. .07½- —
l.c.l., dlvd.....lb. .07½- —
American process, com'l, lead-free, bgs., c.l., dlvd..lb. .07½- —
l.c.l., dlvd.....lb. .07½- —
leaded, 5%, bgs., c.l., dlvd..lb. .07½- —
l.c.l., dlvd.....lb. .07½- —
85% or more, bgs., c.l., dlvd..lb. .07 - —
l.c.l., dlvd.....lb. .07¼- —
French process, com'l, lead-free, bgs., c.l., dlvd..lb. .07¼- —
l.c.l., dlvd.....lb. .07½- —
green seal, bgs., c.l., dlvd..lb. .09 - —
l.c.l., dlvd.....lb. .09¼- —
red seal, bgs., c.l., dlvd. lb. .08½- —
l.c.l. .....lb. .08¾- —
white seal, bgs., c.l., dlvd..lb. .08½- —
l.c.l., dlvd.....lb. .09¼- —
USP, ctns., c.l.....lb. .10¼- —
l.c.l. .....lb. .10¾- —
Zinc oxide Pac. Coast prices ½c. higher: bbl. prices ½c. higher than bgs.
Resinate, fused, 1% Zn, lump, precipitated, 8.40% to 9% Zn, powd., dms..lb. .14½- .15
Silicofluoride, bbls.....lb. .15 - .16
Stearate, tech. ,ctns., c.l., frt. equald..lb. .29 - —
smaller lots, same basis.lb. .30 - .31
USP (same prices as tech.).
Sulphate, cryst., bgs., c.l., works, frt. alld..100 lbs. 3.40 - —
l.c.l., same basis....100 lbs. 4.15 - —
flake, bgs., c.l., same basis. 100 lbs. 3.80 - —
l.c.l., same basis....100 lbs. 4.55 - —
powd., bgs., c.l., same basis. 100 lbs. 5.35 - —
l.c.l., same basis....100 lbs. 6.10 - —
Zinc sulphate, in bbls., 25c. higher.
Sulphide,[1] pure, bgs., c.l., dlvd. lb. .06¾- —
l.c.l., dlvd.....lb. .06¾- —
bbls., c.l., dlvd.....lb. .05½- —
l.c.l., dlvd.....lb. .05¾- —
Barium pigment,[1] bgs., c.l., dlvd..lb. .0560- —
l.c.l., dlvd.....lb. .0585- —
Calcium pigment,[1] bgs., c.l., dlvd..lb. .0560- —
l.c.l., dlvd.....lb. .0585- —
Fluorescent pigment,[1] works, frt. alld..lb. .90 - 1.00
Magnesium pigment,[1] bgs., c.l., dlvd..lb. .05¾- —
l.c.l., dlvd.....lb. .06 - —
Zinc sulphide and pigments, Pac. coast prices ½c. higher; bbl. prices ½c. higher than bgs.
Sulphocarbolate, NF, bbls., dms. lb. .28 - .30
Tallate, 5% Zn, dms.....lb. .09¾- —
Yellow (see Yellow, zinc).
Zinc-ammonia chloride, dms., c.l., works..100 lbs. 5.65 - —
l.c.l., works.....100 lbs. 6.70 - —
Zinc-cadmium sulphide, fluorescent, cns., works, frt. alld..lb. 2.00 - 2.60
Zinc-iron oxide pigment, bgs., c.l., dlvd..lb. .06 - —
l.c.l., dlvd. E. of Rockies, lb. .06¾- —
Pac. cst.....lb. .06¾- —
ex whse., Pac. cst....lb. .07 - —
Zirconium acetate, solut., bbls., works..lb. .25½- —
Hydride, cns., works.....lb. 7.00 - 8.00
Nitrate, bgs., works.....lb. 3.00 - 4.00
Oxide, 68%, grd., bbls., c.l., works..lb. .22½- —
l.c.l. .....lb. .22¾- —
white, 98½-99%, grd., kgs., works..lb. .80 - —
milled, electric, fused, 2,000-9,999 lbs., works.lb. .46 - —
500 lbs. and less, same basis..lb. .46½- —
Oxychloride, crust., bbls., 5 tons, works..lb. .29½- —
Sulphate, basic, cake, bbls., c.l., works..lb. .18 - —
l.c.l., works .....lb. .18½- .20
smaller lots, works..lb. .30 - .31½



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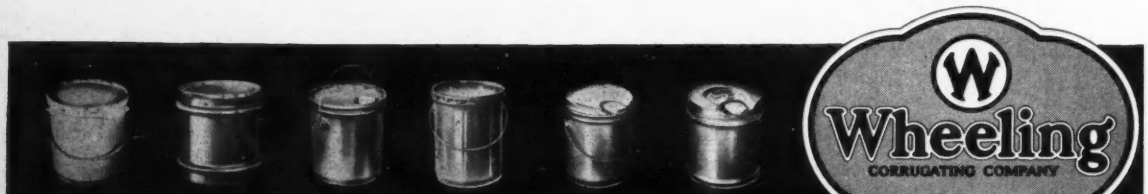

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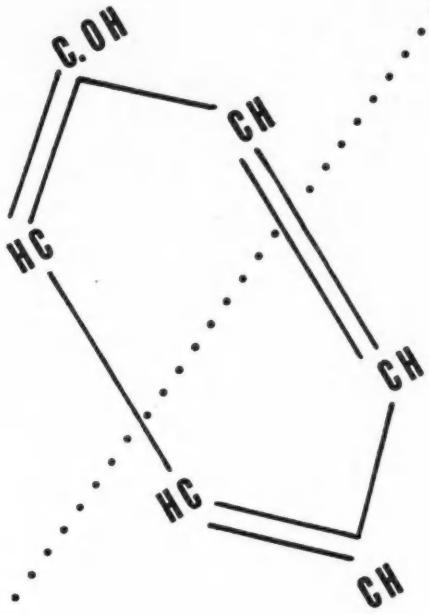

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Volume 149 April 22, 1946 Number 16

Self-Standardization Best

Some profess to see this or that sort of reversal of something in the recent statement of the Secretary of Commerce that the determination of industrial and commercial standards by private enterprise was eminently desirable. The secretary has been aligned with the advocates of quality standards. He does not depart from that stand when he admits the desirability of privately established standards. If these are to be standards in the actual sense of the term, they will have to be based on quality or quantity, or both.

Governmental determination of standards increased markedly under the stress of war. This was a necessary development. It was not, as a whole, undesirable, because the cooperation of industrial and commercial experts was widely, although not always adequately, enlisted and respected. The government had been making standards—Federal specifications—for many things for many years before the war. These, of course, were for its own use. The results have been in most part satisfactory to both sides in government contracts.

Private enterprise has been initiating and applying standards for a long time. Many of these have been approved by government for their respective areas of trade with the general public. The results in these instances also have been satisfactory to buyer and seller.

Private enterprise should have standards of quality and quantity. Few other steps that it might take would contribute more to the improvement of its public relations or prove a stronger appeal for goodwill. Private enterprise should itself initiate these standards and apply them. It must be expected that, as it is with standards for drugs—determined by the drug industry—all commodity standards will in time be given the force of law. That is good for business, because it helps greatly to make and keep competition clean. But, there can be detriment for business as a whole if the job of standardization is left entirely to government.

Private enterprise has several ably equipped agencies to assist it in the determination of industrial and commercial standards. But, to the extent that each group takes initiatory and progressive steps for its own standardization, will it advance in public appreciation and confidence.

Price-Control in Reverse

A little more evidence came into view last week in the direction of a purpose on the part of the Federal government at least to try to see why black markets are steadily becoming more and more prevalent. The Department of Justice began to interest itself in the matter, and prosecutions filed by the Office of Price Administration increased in number and, in some areas, in significance. At the same time, the general consensus among consumers was that it soon would be a case of black market or nothing with them. And, of course, legitimate marketers grew still more earnest and bitter in their blaming it all on OPA. The most pertinent observation on the part of that agency was that the idea seemed to be that, if everybody were allowed to profiteer to his heart's content, there would be no black marketing.

The situation in the marketing of meat was beginning to assume very serious aspects. It was significant that, in this, as in practically all other instances of profiteering, consumers were far less vociferous than marketers who increasingly found their occupations going or gone. This always gives an erroneous impression that the consumer is willing to pay and be damned as long as he can get what he wants. Doubtless that is true to an extent, but its application is far more limited than is indicated by complaints. The pinched consumer is far in the majority, but he has no way to be heard.

Some are opining that the black marketing of meat will turn out to be the "NRA sick chicken" on which price-control founders. There is much reason to accept that view because neither government nor business has learned much about the benefits of collaboration since the opportunities of NRA were muffed. Others, who do not give up so easily, cautiously express the hope that the price-gouging in meat might induce Congress to provide the nation with an effective anti-inflation law administered by an efficient agency. That, of course, is but a long, long hope. Although, if the price-gouged consumers were to demand that they, for a change, be represented in congressional functioning, the fear of the "sides of November" might bring some honest-to-goodness price-stabilizing.

A very disturbing note was sounded by the charge that streptomycin was being black marketed at five or more times its legitimate price. There was reason to believe that the supplies involved were stolen goods, although they may have been from surpluses not properly reported. The pertinent question is:—How did the complaining physician know where there was a black-market supply of streptomycin, and why did he patronize the black marketer instead of reporting him? Medical ethics would seem to be on trial for the supply and the demand.

This thing of ducking out on the buyer's side is one of the peculiarities about the ineffective application of the price-stabilization law. Before a congressional committee a few weeks ago one OPA assistant counsel admitted that it was quite probable that price ceilings on soap had been established on the basis of black-market prices paid for materials from which it was made. He said that it was not the business of OPA to see that fats and oils from which the soap was made were obtained through legitmate channels. The law says that it is unlawful, regardless of contracts or "other obligation," for any person "in the course of trade or business to buy or receive any commodity . . . in violation of . . . any price schedule. . . ."

It may be that, in enacting the price-stabilization law, Congress had something clearly in mind when it stated the purpose, "to eliminate and prevent profiteering." But, neither Congress nor OPA appears to have adequate regard for that purpose. OPA has the excuse that it is undermanned. Congress is undermined.

Pinpoint Legislating

Of all the many examples of localized legislating by what is supposed to be a Federal body of lawmakers no recent congressional enactment is more discouraging and disgusting than is the long-cooking, short-reaching bill signed last week by the President, which may to some slight extent prevent one man from doing one thing that cannot be reconciled with the public interest or the guaranties of the constitution. That measure, of course, is the statute which will lift from the operations of radio broadcasting one finger of the heavy hands of the musical dictator who has been collecting enormous tribute by requiring the paying of union men for music made by a phonograph record and denying radio distribution for schoolboy bands and other purely amateur performers.

Those who succeeded in pushing this latest edict of emancipation through Congress regard and pronounce that achievement as a great victory. In the sense that to get Congress even to say "Boo!" to organized labor's disregard of the basic laws of citizens' rights is something to be proud of in these days of pre-election vote-wooing, the passage of the bill for radio freedom was a great victory. But, insofar as that enactment will restore to the public, even to radio stations, more than a minimum of the rights usurped or nullified by organized labor, its value is practically nil. It is a mere scratching of the surface, a removing of an isolated, symptomatic pustule. It does not reach, does not approach, does not even point toward the fundamental, organic, systemic affliction of the national economic welfare which derives from the political expedience and public cowardice that characterize official attitudes toward the greedy grabbing of organized labor.

Even the more thoughtful, broader-minded, farther-sighted leaders of organized labor are not undisturbed in their appraisal of official failure and fear to deal with destructive tendencies on the part of some who operate in the same field. And when a relatively small number of Federal lawmakers do see the need for remedial and preventive legislation, they are prone to act more in anger than in understanding; so, trying to go too far, they usually get nowhere, or they come through with bells on but bringing little, if any, good.

When it is possible to know fully why only the narrow, relatively unimportant area of radio music has been given even palliation for labor trouble, it may be possible to go on to learn why only railroads are proffered exemption from the statutory restrictions on price-fixing, and then, perhaps, it will be possible to see why Federal lawmaking is largely factional, sectional patchwork—and maybe a more nearly national representation can be got for that functioning.

Washington Talks It Over

—Continued from page 5

sumed, inventories, etc.—but collection of the data won't get started until 1947 and when they will be compiled and released is anybody's guess.

Fertilizer Shortages Loom

Some rural areas are beginning to feel the pinch of a fertilizer shortage now that fertilizer materials are no longer under allocation. Being remote from centers of production, these areas are finding themselves cut off from supplies because manufacturers can't make deliveries within the ceil-prices established by OPA.

When fertilizer materials were under allocation, the freight charges borne by the manufacturers were more or less equalized. What a manufacturer would lose in freight charges by shipping to some distant area, he would make up on his shipments to some nearby area. Now there is no one to tell the manufacturer where he shall ship his materials, and he would be playing a fool's game to absorb the freight lost on long shipments in the hope of making it up later from some nearby customer.

The situation probably will become more acute as the contracts are made for the new fertilizer year. OPA is trying to meet the problem through an amendment to RMPR 205 which will permit the manufacturer to raise his delivered price to meet the added costs of long shipments upon certification by the Secretary of Agriculture that a threatened shortage of fertilizers in an area can be met only through this action.

German Industry's Future

The Department of State is tossing bouquets to General McNarney and General Clay for the recent agreement negotiated among the Allied Control Council to limit Germany's postwar industrial activity. Secretary of War Patterson has been asked by Dean Acheson, acting Secretary of State, to convey the department's commendations to the two generals for being able to bring the four major occupying powers with such widely national viewpoints together on such a technically complex subject.

Mr. Acheson said that the terms of the settlement conform closely to the conception of the United States with respect to the appropriate interpretation of the Potsdam agreement. They appear to satisfy the agreed requirements with respect to security and reparations, he says, and at the same time to promise the Germans the possibility of an adequate and rising standard of living, when present acute problems of fuel, food, and transportation are solved.

Pay Boosts Limited

The Bureau of Internal Revenue has adopted the prevailing wage rule of determining the lawfulness of salaries in new plants or departments of an employer which are to be considered deductable items in computing cases under the new price-wage policy program. Any salary in excess of those prevailing in the industry or locality, which is paid by an employer in a new plant or department without prior approval of the bureau, is to be disallowed on the employer's income tax return. That is, the entire salary is to be disallowed, not just the excess over the prevailing level.

The bureau's policy is set forth in a new set of regulations just issued in connection with the price-wage program. They apply to salaries in excess of $5,000 and also to lower salaries paid to administrative, executive, and professional employees who are not represented by labor organizations. Aside from setting salary levels for new plants and departments, the regulations in general restrict salary increases only in the case of employers who, either currently or in the future, may use such salary increases as a basis for seeking higher price ceilings or to increase costs to the government on contracts.

In cases involving higher price ceilings or increased costs on government contracts, the regulations grant automatic approval without application to salary increases made or committed prior to February 14, those made in accordance with an established rate schedule or pursuant to governmental recommendation in a wage controversy, by employers of eight or less workers, and those made to keep differentials equal. Application must be made for approval of other types of increases.

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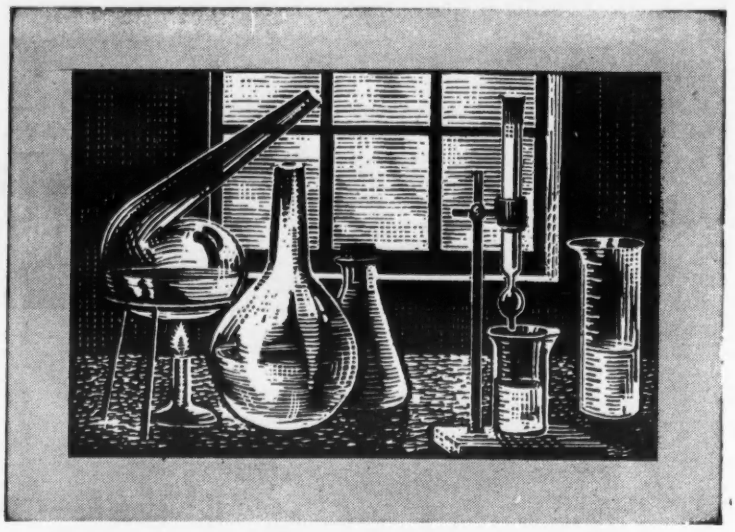

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Heavy Chemicals

Overall demand for industrial chemicals continued active with specialties commanding the most attention. Pressure for shipments of the heavy tonnage items was unabated and the same shortages of stocks prevailed. The prolongation of the soft coal strike confused the outlook and gave evidence of becoming an important factor in the production, consumption and distribution of chemicals. Such conditions have installed a vein of conservatism in the extension of commitments and it was apparent the trade was considering just how far the reserve coal supplies could be stretched. Aside from this, the current scarcity of many chemicals has made buying difficult. The container shortage is serious and is aggravating the general movement which in many instances is behind scheduled requirements.

No settlement appeared in sight for the strike at two major copper suphate producing plants. The fact finding board, so far, has not been able to find a solution to the dispute. Meanwhile, producers operating have been able to meet essential wants and the pinch to date has not been too emphatic. Caustic soda continued exceedingly tight. Soda ash was not as short as caustic soda, but there was plenty of room for improvement in buying conditions. Nickel sulphate inventories are low, although some improvement has taken place under better production. Zinc sulphate stocks were definitely short. Alumina sulphate, bleaching powder, carbon-tetrachloride and chlorine were available for prompt shipment. Stringency in oxalic showed no easement and formic acid and formate of soda shipments have fallen behind contract schedules.

Paper production as a percentage of six-day capacity was 103.6 in the week ended April 13, according to the American Paper and Pulp Association. This compares with 104.1 in the previous week and 87.4 percent a year ago.

Production figures in some of the following market reports were released by the Department of Commerce unless otherwise specified.

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

General Chemicals

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
168.5	168.5	168.9	169.0

Acids

Last week.	Prev. week.	Last month.	Last year.
116.0	116.0	116.0	116.0

(*For Current Prices see page 9*)

Alumina Sulphate — In sufficient supply at present to meet demand for both iron-free and commercial. Paper mills and water works have been well represented in the current movement.

Ammonia Liquor — Production in February was off 20.9 percent at 3,280,614 pounds, according to the Bureau of Mines. January output was 4,147,514 pounds. Stocks on February 28 were 1,453,467 pounds against 1,644,066 pounds at the close of January.

Bauxite—Importations have shown an increase this month. The market has remained in a satisfactory position with inventories sufficient to meet demand promptly. Arrivals last week amounted to 1,840 tons.

Bleaching Powder—Consuming demand has remained active both for home and export requirements with inventories not excessive but sufficient to meet inquiries on a fairly prompt basis.

Calcium Chloride—Remained definitely tight. The fact that producers are behind contract schedules has prevented the formation of any stockpile this Spring.

Calcium Hypochlorite — Available and meeting with a fair consuming demand, including laundries, sanitation and water-works and other industries where a high test chlorine is necessary. Prices in drums, East of the Rocky Mountains range from 22c. to 26½c. a pound delivered, the inside figure representing 10 drum lots to consumers. Tins in cases are quoted at 37.78c. to 42.23c. a pound, according to the size of order, delivered. West of the Rocky Mountains, these prices are f.o.b. shipping point.

Calcium Phosphate—Slight increase in production was noted in February. The total for monobasic was 6,332,000 pounds against 5,569,000 pounds in January. Dibasic output was 8,083,000 pounds in February, compared with 7,750,000 pounds in the preceding month. Demand has kept the market in a definitely tight position.

Carbon Dioxide—Liquid and gas production in February amounted to 15,630,000 pounds, compared with a revised total of 17,767,000 pounds in January. Output of solid, dry ice, was 38,539,000 pounds in February against a revised total of 38,311,000 pounds in the preceding month.

Carbon Tetrachloride—Continued in favorable position to meet demand promptly. The shortage of metal containers has caused some difficulty in shipping this material.

Chlorine—Sufficient stocks to meet demand promptly but container shortage of both tanks and cylinders is serious.

Copper—Production was at the lowest monthly level so far this year, according to the Copper Institute. Production of crude in March was 41,042 tons and 20,139 tons of refined. Stocks of refined copper were also at a new low. The total was 70,249 tons, compared with 74,339 tons at the close of the preceding month.

Copper Carbonate—Enough around to meet current demand which is not very active at present. The same condition prevailed in copper acetate. Any sustained buying movement would likely tighten supplies rapidly as it is stated that inventories are not excessive.

Copper Sulphate — No immediate settlement of the strike at two major producing plants is in sight. The fact-finders have not found a solution to the dispute to date. All essential requirements for copper sulphate have been satisfied to date by operating producers although it is admitted if the strike continues much longer there is likely to be a tighter market situation. Prevailing cold weather has limited the agricultural demand to some extent, but steady expansion in the inquiry may be expected at any time. Export sales are being held back temporarily. The industrial demand has been maintained at normal levels.

Glauber's Salt—February production registered 12,775 tons, compared with 13,215 tons for the preceding month.

Soda Ash—No appreciable improvement in the supply situation. Demand for shipments of both light and dense has continued exceedingly heavy and has kept production constantly under pressure. Heavy home consumption has restricted exports although there was no easement in the foreign inquiry. The United States supplied 38 percent of Brazil's imports of soda ash in the period January-October, 1945, according to statistics of the Ministry of Finance. Total imports amounted to 22,068 metric tons; imports from the United States were 8,356 tons.

Soda, Caustic — Exceedingly short and no easement in the supply position with scarcity of containers further aggravating the movement of flaked, powdered and solid forms. Rapid absorption of domestic output has made it unusually difficult to export this material. The United States was the supplier of 41 percent of the quantity imported by Brazil during the first ten months of 1945. These imports totaled 21,623 tons, of these 8,877 tons were from the U. S.

Soda Phosphates—In shorter supply than at any time during the year. Stringency attributed to heavy consuming demand and tight position of phosphate rock passed on to phosphorus and then to phosphoric acid. Production of trisodium phosphate seemed to be entirely under contract for cleansing purposes. Tetrapyrophosphate has been bought heavily for soap building requirements. Dibasic output has been taken by the textile

For Late Market Developments, See Page 4

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industry for dyeing uses and by the casein plants for emulsifying. Production of tribasic in February was 8,429 tons against 9,216 tons in January. Output of tetrapyrophosphate registered 5,125 tons in February against 4,343 tons in the preceding month and production of dibasic was 5,262 tons in February against 5,727 tons in January.

Soda Silicate—Output in February amounted to 32,851 tons, including soluble silicate glass, liquid and solid. The January production was 34,524 tons.

Tin—Additional imports into the United States in the second half of 1946, plus secondary recovery from scrap and tin from the U. S. government stockpile are expected to make approximately 90,000 tons of tin available to American industry.

Acids

Chromic — Platers taking output sufficiently fast to keep inventories relatively low. Pressure for shipments expected to increase with greater activity in the automobile industry. Export demand active. Importations of chrome ore last week were 7,500 tons.

Formic—Shipments are running behind schedule and the supply situation has tightened considerably since the beginning of the month. Current demand has covered the leather, textile, dyestuff and several other consuming industries.

Naphthenic — Importations of this acid have increased of late. Supplies seem to be meeting demand for paint use on a reasonably prompt basis. Imports last week amounted to 3,002 barrels.

Oxalic—Market conditions have not improved. Producers have enough business on their books to tax capacity until late Summer and are not eager to specify shipments for future delivery at this time. Demand covers a wide field with a lot of business booked for pipe cleaning in factories and garages.

Sulphuric—Supplies in this section and in Baltimore seem to be sufficient to meet domestic requirements in a

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ZINC SULFATE
(monohydrated)
FOR THE INDUSTRY THAT REQUIRES HIGH PURITY
— Properties —
- Fine, crystalline
- Free-flowing
- Easily soluble
- Non-caking

100 lb. Bags—(425) Bbls.
Plant shipment prompt,
C. L. or L. C. L.
Unexcelled for Rayon Processing
VIRGINIA SMELTING CO.
WEST NORFOLK, VIRGINIA

Leaves Malmstrom

Frank G. Fanning has resigned as a junior partner and sales manager of N. I. Malmstrom & Co., lanolin and wool grease refiner, Brooklyn, N. Y. Mr. Fanning had been affiliated with the Malmstrom organization for twenty-six years.

satisfactory manner. Trade reports indicated occasional shortages at distant points in the South where high freights have interfered with the movement. According to the director of customs of Venezuela, the importation of sulphuric acid in metal containers is prohibited, but will be permitted in glass containers.

Baltimore, April 19.—Sulphuric acid conditions attendant upon the manufacture and distribution of the commodity are unchanged. As before, prices of acid-making materials tend to advance, with transportation also not as smooth as could be desired, but the various plants manage to meet requirements of the government as well as the industries while labor offers no troublesome problem because of the almost complete automatic process employed. Acid using plants are able to obtain all of the supply needed at the prices fixed, with no really troublesome complications to impose checks, and with only the matter of maintaining the equipment in shape to guard against delays in output. There is still no intimation of any further effort on the part of the federal authorities to bring about a unification of prices and the elimination of the differences in the quotations of manufacturers. The ceilings are maintained at the high figures of March four years ago.

Dyestuff Makers

—Continued from page 4

members of the European dyestuffs cartel and other foreign concerns:—

(1) To limit dyestuff imports from and exports to the United States.

(2) To fix quotas on dyestuff sales in certain foreign markets.

(3) To establish and maintain uniform and arbitrary prices for dyestuffs sold in the United States and in other markets of the world.

(4) To prevent other companies from manufacturing and selling dyestuffs in the United States.

(5) To refrain from manufacturing certain dyestuffs, and to restrict the manufacture of certain dyestuffs in the United States.

It was alleged that the parties together controlled more than 90 percent of the dyestuffs business in the United States and in other important markets of the world. The foreign concerns named as parties to the combination include I. G. Farbenindustrie, the German chemical and dye trust; Imperial Chemical Industries, Ltd., of Great Britain; the French chemical and dye trust, Etablissements Kuhlmann; and the Mitsui enterprises of Japan.

The surrender of Germany and Japan have brought I. G. Farbenindustrie and the Mitsui interests under Allied control; and shortly before the indictment was returned, the Government took over the German interests in the defendants General Aniline & Film Corporation and General Dyestuff Corporation, which are now under control of the Alien Property Custodian.

Trial of the case was postponed for the duration of the war on request of the Secretary of War, based on representation by certain defendants that the defense of the case would interfere with their production of war materials. After the termination of hostilities, the request for postponement was withdrawn, and the case was set for trial; whereupon, the defendants named above decided not to contest.

Metallic Products Elects T.J. Mullen

Thomas J. Mullen has been elected president of the Metallic Products Corporation, New York. He also is president of the United States Bronze Powder Works, Malone, N. J., and Canadian Bronze Works, Ltd., subsidiaries of Metallic Products.

Floor Sweeping Compounds Exempted from Price Control

The Office of Price Administration announced April 10, floor sweeping compounds have been exempted from price control.

Rheem Opens London Office

The Rheem Manufacturing Company, steel shipping containers, New York, has opened a London office, with Lanning Roper, recently released from the Navy, in charge.

Foote Mineral Buys Lithium Plant from WAA

OPD Washington Bureau

The offer of the Foote Mineral Company to purchase the lithium salts plant in Philadelphia, which the Foote company operated during the war, has been accepted by the War Assets Administration. Designed and equipped at a cost of $1,031,396, the Philadelphia property will be sold for $150,000, the offer to cover land and improvements, buildings and machinery. The Foote company intends to use the plant for metal and mineral treatment for commercial trade.

Glass Reflection Control Perfected

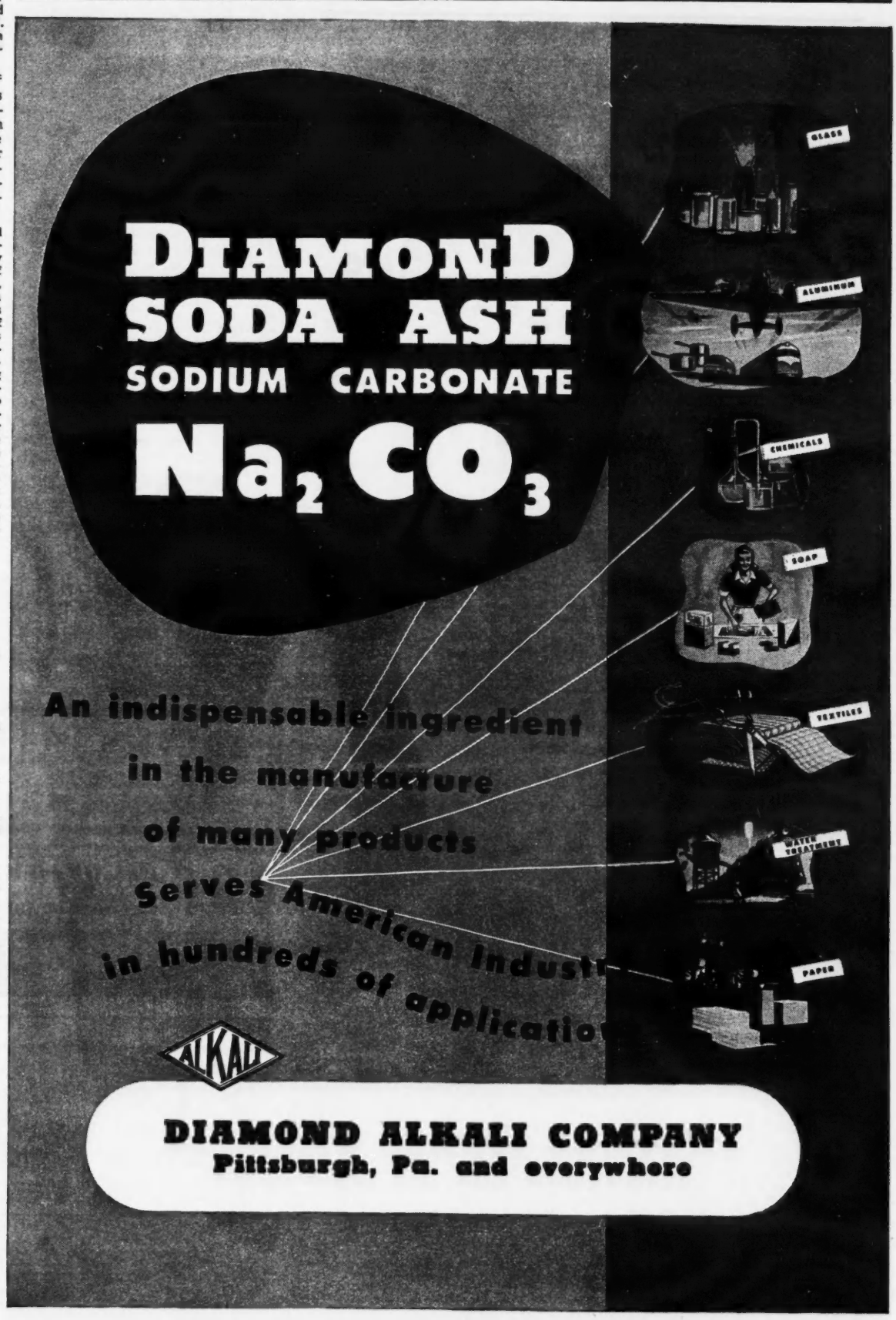
Methods for controlling the amount of light reflected from glass, which makes possible a glareless glass and a transparent mirror, have been revealed by the American Optical Company, Southbridge, Mass. The new reflection-control techniques employ new chemicals, and the coatings are supplied by dipping, spinning, spraying or swabbing on the chemicals. The new methods make possible reflection-control on large areas of glass.

Corrosion Engineers To Meet May 7-9

The annual convention and exhibition of the National Association of Corrosion Engineers will be held in Kansas City, Mo., May 7-9. The convention will occur in the President hotel and the exhibition in the municipal auditorium.

Exports Control Extension Passes Senate

Authority of the President to prohibit or limit the exportation of goods and materials needed in our defense industries would be extended for another year beginning June 30, next, under terms of S. 1980 passed by the senate April 12. The law being extended is that under which the Office of International Trade of the Department of Commerce acts to regulate the export of materials in scarce supply. It now goes to the house for concurrent approval.



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Titanium Tetrachloride • Sulphur Chloride
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636 California Street, San Francisco 8 Cal.
North Portland, Oregon
Houston 2, Texas

Named Sales Manager

T. E. Moffitt has been named sales manager for the Pennsylvania Salt Manufacturing Company, of Washington, a subsidiary of the Pennsylvania Salt Manufacturing Company, Philadelphia. Mr. Moffitt will have headquarters in Tacoma and will handle all heavy chemical sales activities in the Tacoma and Portland, Ore., plants.

Pitts. Plate Glass Advances Nutter

The Pittsburgh Plate Glass Company has appointed Alfred D. Nutter, jr., purchasing agent of its glass division. He succeeds Homer M. Hoffman, who retired recently after more than thirty-five years' service with the company. Mr. Nutter has been with the company for 12 years, during the past five of which he served as assistant purchasing agent of the glass division.

Corning Glass Buys Plant

The Corning Glass Works, Corning, N. Y., has concluded an agreement with the War Assets Administration for the purchase of the plant at Parkersburg, W. Va., it operated during the war.

Burchfield Appointed to Michigan Alkali Post

Dr. Paul Burchfield, since 1942 assistant supervisor of the chemical engineering section of the research department of Wyandotte Chemicals Corporation, Wyandotte, Mich., will become assistant director of the technical service department of the company's Michigan alkali division. The transfer will occur May 1.

Carbide Die & Mold Co. Elects Frick Vice-President

George W. Frick has been named executive vice-president of the Carbide Die & Mold Company, Pittsburgh. The company manufactures special tools for the powdered metals, ceramics and pharmaceutical tablet manufacturing fields.

GUANIDINE HYDROCHLORIDE

NH: C $(NH_2)_2$ HCl

Grade	Technical
Form	White Powder
Purity	95%
Solubility	100 cc at 24° C.
Water	206 Grams.
Ethyl Alcohol	28 Grams.
Methyl Alcohol	42.3 Grams.

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Vaughn Research Award Won by Dr. Soutemyer

Dr. Vernon T. Soutemyer, horticulturist of the Department of Agriculture's research administration has been awarded one of the annual Vaughn Research Awards of $500 for his scientific paper on effects of certain growth-regulating chemicals in the rooting of plant cuttings.

Southern Phosphate Moves Sales Office

The Southern Phosphate Corporation, Bartow, Fla., will transfer its sales office from New York to Bartow, effective April 22.

Hercules Advances Skelly

James T. Skelly, jr., has been appointed assistant director of sales for the cellulose products department of the Hercules Powder Company, Wilmington, Del.

LIQUID Sulfur Dioxide by ANSUL
LIQUID Methyl Chloride by ANSUL
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• QUALITY
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CHEMICALS FOR INDUSTRY
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Drums—Tank Car—Tank Wagon Deliveries
(Warehouses from Coast to Coast)

Obituaries

Kermit D. Browne, secretary-treasurer of Plastic Manufacturers, Inc., Stamford, Conn., died in Stamford hospital, April 17, ten hours after he had been found in his office with a bullet wound in his head. Mr. Browne, who was forty years old, committed suicide, according to the medical examiner.

Rudolph Emmel, secretary and a director of the South American Development Company, African and South American mining firm, New York, died in New York, April 18. He was fifty-four years old.

William S. Gumbert, who retired ten years ago as sales manager for the Sun Oil Company, Philadelphia, died in Pittsburgh April 13. He was eighty years old.

Otto C. Siede, associated with McKesson & Robbins, Inc., pharmaceutical manufacturer, New York, until his retirement five years ago, died April 17 in Irvington, N. J. He was eighty years old.

Howard R. Waugh, secretary of the New York State Department of Agriculture and Markets, and director of the department's bureau of publications, died in Albany, N. Y., April 17. He was forty-nine years old.

J. S. Wemyss, president and treasurer of the Rushmore Paper Mills Company, Gouverneur, N. Y., died recently at Daytona Beach, Fla. He was sixty-seven years old. Mr. Wemyss also was president of the Wyoming Valley Paper Mills, Northumberland, N. H., and the Groveton Paper Company, Groveton, N. H., and treasurer of Lot Binere Pulp & Paper Company, Danville, Que.

Northeastern Wood Utilization Group to Meet

The next meeting of the Northeastern Wood Utilization Council is scheduled for June 14 at the Pfilbrook Farm Hotel, Shelburne, N. H. The main topic will be "Organized Marketing and Integrated Logging." Attendance of the meeting will be by invitation only. Further details may be obtained from Edgar L. Heermance, secretary, P. O Box 1577, New Haven 6, Connecticut.

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BARIUM CHLORIDE
Other BARIUM SALTS
SODIUM SULFIDE
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CHEMICAL PRODUCTS CORPORATION
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Sublimed Flowers
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HARTFORD BOSTON PROVIDENCE
PHILADELPHIA BALTIMORE

Recent Imports

—Continued from page 4

COTTONSEED HULL FIBER—1,536 bls, Norton Ellis & Co

CRESYLIC ACID—118 dms, Bakelite Corp; 216 dms, George F Smith; 274 dms, Republic Chemical Corp; 259 dms, Monsanto Chemical Co; 50 dms, American-British Chemical Supplies; 187 dms

CUTTLEFISH BONES—500 cs, Frank Vliet Co., Inc.

CYMBARUM OIL—44 dms, Dodge & Olcott Cc; 42 dms, Ungerer & Co

DIVI-DIVI—500 seroons, Curacao Trading Co

DYES, ANILIN—6 dms, 53 cans, Ciba Co; 17 dms, Sandoz Chemical Works

DOGWOOD BARK—41 bgs

EUCALYPTUS OIL—6 dms, Dodge & Olcott Co

FENNEL SEED—6 bgs, Mercantile Metal & Ore Corp

FILTER PAPER—10 cs, Reeve Angel & Co; 13 cs, E H Sargeant & Co

FUEL OIL—60,716 bbls, Gabriel Oil Co; 197,000 bbls, Standard Oil Co of N J

GINGER—63 bgs, Wm M Allison & Co; 63 bgs, Canadian Bank of Commerce; 57 bgs, Carter & Co; 242 bgs, Bank of Nova Scotia; 130 bgs, A Schilling & Co; 178 bgs

GLUESTOCK HIDE—280 bgs, Transatlantic Animal By-Product Co; 110 bgs, E Butterworth & Co, Inc; 106 bls, J Gorvers Co

GRAPHITE—1,000 bgs, Joseph Dixon Crucible Co; 250 bgs, Asbury Graphite Mills

GREAVES—2,039 cakes, Weaver & Hugi, Inc

GUARANA ROLLS—6 cs, Peek & Velsor

GUM ARABIC—300 bgs, Societe Fonciere De Syrie; 300 bgs, Canadian Bank of Canada; 256 bgs, Thurston & Braidich; 400 bgs, Frank Vliet Co; 100 bgs, Tragacanth Import Co; 50 bgs, S B Penick & Co; 250 bgs, Innis, Speiden & Co; 1,000 bgs, National Starch Products, Inc; 500 bgs, E Meer & Co; 850 bgs, National Import & Export Co

GYPSUM—7,045 tons, United States Gypsum Co; 1,750 tons, Newark Plaster Co

HEMPSEED—375 bgs, Wagner Bros Feed Corp

HEXACHLOROCYCLOHEXANE DUST—3 dms

HYSSOP HERBS—13 bgs, R J Prentiss & Co

ILMENITE SAND—9,000 tons, National Lead Co

IODINE—14,929 kgs, Chilean Nitrate Sales Corp

IRISHMOSS—235 bls, R H Elmaleh; 25 bls, Peek & Velsor

IRON ORE—101 cks, Interstate Cotton Oil Refining Co

JUNIPER BERRIES—83 bgs, R J Prentiss & Co; 83 bgs, E Meer & Co; 83 bgs, J L Hopkins & Co; 273 bgs, Corn Exchange Bank & Trust Co; 438 bgs, Brown Bros-Harriman & Co; 453 bgs, International Expediter, Inc

KARAYA GUM—10 bbls, Colony Import & Export Co

LARKSPUR SEED—45 bgs

LAUREL LEAVES—100 bls, H Marmorek

LIME JUICE—2 cs, A L Young

LIME OIL, DISTILLED—1 cs, Citrus & Allied Essential Oil Co

LOCUST BEAN GUM—200 bgs, Wm M Allison & Co; 110 bgs, T M Duche & Sons; 40 bgs, Victor M Calderon & Co; 30 bgs, P N Soden & Co

LOGWOOD—236,152 lbs, American Dyewood Co

EXTRACT—150 cks, American Dyewood Co

MAGNESIUM CHLORIDE—8 dms, Carborundum Co

MANDARIN OIL—10 cs, Geo Lueders & Co

MANNA FLAKE—25 cs, Irving Trust Co

METHYLCYCLOHEXANOL—32 dms, Alltransport, Inc

MICA—679 cs, Asheville Mica Co; 334 cs, A O Schoomaker Insulation Co; 21 cs, Siegfried Cussell; 17 cs, American Mica Works; 30 cs, Ford Radio & Mica Corp; 20 cs, Mineral Insulation Co; 38 cs, United Mineral & Chemical Co; 73 cs, American Mica Works; 500 cs, Guaranty Trust Co; block, 110 cs, Eugene Munsell & Co; film, 47 cs, Eugene Munsell & Co; splittings, 716 cs, Eugene Munsell & Co; 300 cs, Cornelius & Suhr; 420 cs, Schwab Bros Corp

MINERAL ASPHALT—373 bgs, G S Ziegler & Co

MUSTARD SEED—556 bgs, R F Downing & Co; 390 bgs, National City Bank

MUIRAPUAMA—11 bls, S B Penick & Co

NAPHTHENIC ACID—3,002 bbls, Standard Oil Co of N J

OITICICA OIL—150 dms, Murray Oil Product Co

ORRISROOT—48 bgs, J L Hopkins & Co; 135 bgs, Wessel, Duval & Co; 114 bgs, E Meer & Co; 133 bgs, W J Bush & Co; 67 bgs, Kachurin Drug Co; 72 bgs, National City Bank; 150 bgs, Givaudan-Delawanna, Inc

OURICURY WAX—80 bgs, S C Johnson & Son; 244 bgs, W R Grace & Co; 404 bgs, Wessel, Duval & Co; 166 bgs, Wm M Allison & Co; 274 bgs, Innis, Speiden & Co; 63 bgs, Avon Trading Co; 80 bgs, Wm Diehl & Co; 2 bgs, Adolph Hirsch & Co

OXGALLS—3 bbls, Manufacturers Trust Co

ORANGE OIL—2 dms, 1 cs, Citrus & Allied Essential Oil Co

ORANGE PEEL—245 bgs, Casse Mfg & Import Co; 145 bls, 1 bg, Atlantic Forwarding Co

PALM OIL—1,720 tons, Balfour, Guthrie & Co

PAPAIN—2 half chests, Dodwell & Co; 5 cs, R J Prentiss & Co; 82 bgs

PAPRIKA—100 bgs, Knickerbocker Mills Co

PAREIRA BRAVA ROOT—40 bgs, S B Penick & Co; 20 bgs, Peek & Velsor

PATCHOULI OIL—1 cs

PETITGRAIN OIL—2 cs, Fritzsche Bros

PETROLEUM, CRUDE—453,842 bbls, Standard Oil Co of N J; 131,002 bbls, Gulf Oil Corp; 59,102 bbls, Imperial Oil, Ltd

PIMENTO—500 bgs, J A Manton & Co; 80 bgs, Victory Shipping Co

POPPYSEED—200 bgs, Catz American Co; 69 bgs, C M Van Sellevoldt, Inc; 200 bgs, Louis Furth, Inc

POTASH SALT—20 cs, A Gusmer, Inc

CHLORATE—500 cs, Innis, Speiden & Co

POTATO DEXTRIN—300 bgs, Stein, Hall & Co

PYRETHRUM FLOWERS—1,500 bls, Brown Bros-Harriman Co; 1,610 bls, United States Commercial Co; 1,500 bgs

QUASSIA CHIPS—180 bgs

QUICKSILVER—800 flasks, Chase National Bank & Trust Co; 250 bots, Pacific International Corp

QUEBRACHO EXTRACT—42,907 bgs, Tannin Product Export Corp; 1,000 bgs, Vermilye & Co; 21,100 bgs, International Product Corp

RAPESEED—330 bgs, Catz American Co

RESIN MUCUGE—80 bgs, Herman Weber & Co; 86 bgs, L A Dreyfus & Co

VEGETABLE—259 cs, Otis Astoria Corp

RESMOID OAK MOSS—1 cs, Centflor Mfg Co

SAGO RED—50 bgs, H Westergaard & Co

SANDARAC GUM—12 bbls, I A Levy & Co

SARSAPARILLA ROOT—13 bls, Bank of Nova Scotia; 4 bls, Victory Shipping Co

SEEDLAC—450 bgs, P N Rowe; 100 bgs, Schwab Bros Corp; 200 bgs, Gillespie-Rogers-Pyatt Co; 46 bgs, United Shellac Co; 437 bgs, Wm Diehl & Co; 100 bgs, Charles H Tumn Co, Inc

SELENIUM—5 cs, Federal Telephone & Radio Corp

SHARK OIL—1 bbl, Cuban-American Product Co; 50 bbls, National Oil Product Co

SHARK LIVER OIL—17 dms, Wilbur Ellis & Co; 2 bbls, Biological Raw Product Co

SHELLAC—305 bgs, 55 cs, Wm Zinsser & Co; 600 bgs, Schwab Bros Corp; 100 bgs, Mantrose Corp; 200 bgs, Gillespie-Rogers-Pyatt Co; 100 bgs, United Shellac Co; 849 bgs, Wm Diehl & Co

SIENNA EARTH—60 cks, Reichard Coulston, Inc; 46 bbls, Grace National Bank

SODA NITRATE—9,632 tons, Chilean Nitrate Sales Corp

SORVA GUM—39 cs, Chicle Development Co; 20 cs, L Littlejohn & Co

STEARIN PITCH—58 dms, G S Ziegler & Co

TALC—6,330 bgs, Charles Matrieu, Inc

TALLOW, VEGETABLE—1,085 bgs, The Smides Co

TANKAGE—1,016 bgs, Charles Hollinshed Co; 544 bgs, National City Bank; 371 bgs

LIVER & GLANDULAR—1,101 bgs, International Commercial Co, Inc

TAPIOCA FLOUR—1,215 bgs, Tapioca Flour Mills; 2,970 bgs, Stein, Hall & Co; 2,750 bgs, Geismar & Co

TARTARIC ACID—254 bbls, Enco Chemical Corp

TEAWASTE—2,852 bgs, Maywood Chemical Works; 4,000 bgs, Citro Chemical Co

TEXTILE GUM—60 cks, 20 bgs, J P Marston Co

TONKA BEANS—80 bbls, Machado & Co

TURMERIC—65 bgs, Gillespie & Co; 75 bgs, M J Golombeck; 76 bgs, Becker-Mayer Seed Co

URUNDAY EXTRACT—2,015 bgs, International Product Corp

VANADIUM ORE—30 bls, Vanadium Corp of America

VETIVER OIL—2 dms, Van Ameringen-Haebler; 2 dms, Ungerer & Co

WATTLE BARK—2,423 bls, Hammond & Carpenter; 2,200 bls

WATTLE BARK EXTRACT—992 bgs, Tannin Product Export Co; 1,023 bgs, Guaranty Trust Co; 2,042 bgs, Barkey Importing Co; 510 bgs, Littlejohn & Co; 4,019 bgs, American Cyanamid & Chemical Corp; 1,076 bgs, M S Kattenhorn & Co; 1,069 bgs, American Dyewood Co; 4,047 bgs, Bank of New York; 4,596 bgs

WHITING—972 bgs, Wittaker, Clark & Daniels

ZINC CONCENTRATE—1,570,816 lbs, J Henry Schroeder Banking Co

Baltimore Imports

ALCOHOL, ETHYL—1,179,768 gls, United States Alcohol Co

CHROME ORE—4,766 tons, United States Commercial Co

FUEL OIL—97,842 bbls, Standard Oil Co of N J

PETROLEUM, CRUDE—103,891 bbls, Standard Oil Co of N J

WATTLE BARK—249 tons

WATTLE BARK EXTRACT—6,649 bgs

ZINC ARSENATE—102 bbls, Rukery Terminal Corp

CONCENTRATES—7,638 tons

Boston Imports

BONES—989 bgs, Eastman Gelatine Corp

CRESYLIC ACID—25 dms, Irving M Solein Co

MICA—16 cs, Isidor Richmond & Milton Robinson

REFUSELAC—146 bgs, Parks Co, Inc

Philadelphia Imports

CHROME ORE—1,001 tons, E J Lavino & Co

GARNETLAC—350 bgs, Wm Zinsser & Co

MENTHOL—186 cs, Vicks Chemical Co

PETROLEUM, CRUDE—108,785 bbls, Atlantic Refining Co

SHELLAC—195 bgs, Wm Zinsser & Co

SODA HYDROXIDE—90 pkgs, Bergstrom Trading Co

San Francisco

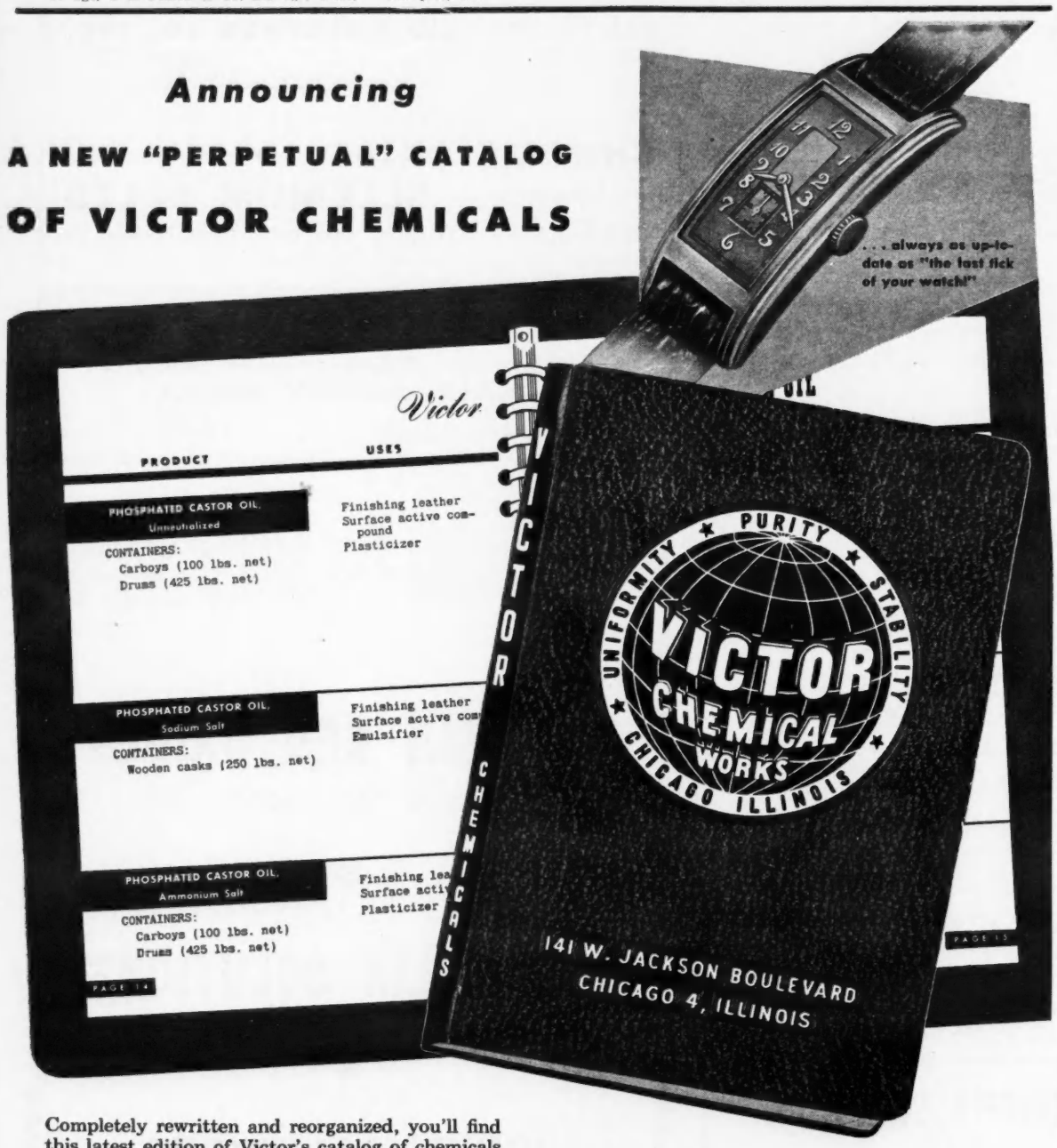
GINGER—240 bgs, A Schilling & Co

PIMENTO—100 bgs, Anglo California National Bank; 160 bgs

SHARK LIVER OIL—20 dms, Technical Fisheries Co

Announcing

A NEW "PERPETUAL" CATALOG OF VICTOR CHEMICALS



Completely rewritten and reorganized, you'll find this latest edition of Victor's catalog of chemicals a handy guide to headquarters for phosphates, formates and oxalates. Note typical page above . . . how products are arranged into related groups for quick, easy cross-reference of properties.

Another desirable feature is that this new "perpetual" catalog will always be up-to-date "as the last tick of your watch." Replacement sheets, as old products are modified or improved, plus additional sheets covering new products, will be sent to you from time to time. They can readily be inserted into the binder. A personal request on your business stationery will bring a copy to you promptly . . . without obligation, of course.

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Acids . . . formic, metaphosphoric, oxalic, phosphoric, polyphosphoric.

Formates . . . aluminum, sodium, sodium boro-.

Metaphosphates . . . aluminum, ethyl.

Orthophosphates . . . ammonium, calcium, iron, magnesium, potassium, sodium.

Oxalates . . . calcium, sodium.

Phosphorus . . . (yellow)

Ferrophosphorus

Phosphorus Compounds . . . chlorides, pentoxide.

Pyrophosphates . . . calcium, sodium acid, sodium iron, tetrapotassium, tetrasodium.

Sulphates . . . magnesium, sodium aluminum.

Wetting Agents

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Agricultural Chemicals

Approach of the end of the active fertilizer season finds shelves well cleared of inventories and current production sold against contracts. The absence of reserve stocks has made a definitely tight supply situation with late buyers experiencing difficulty in securing any additional material. Packinghouse by-products have been cutback severely and some large nearby plants have suspended slaughtering temporarily. According to trade reports, several of the smaller packers that are operating, have not the facilities to recover such materials as bone meal, dried blood, hoof meal and tankage, and consequently there is an entire loss of output. It is stated that 85 percent of the buying of fertilizer is completed for the potato crop on Long Island and New Jersey, and that purchasing power will now shift to the tomato crop.

A total of 216,123 tons of fertilizers has been shipped to liberated areas by the United Nations Relief and Rehabilitation Administration through the end of February, according to the agency's monthly report issued April 14. Of this total 128,827 tons were supplied from Western Hemisphere sources.

Cotton planters will probably have enough calcium arsenate although the uncertain position of arsenic has confused the season's outlook. There was a heavy carry over of this insecticide from last year which may offset any cutback in the 1946 production.

Nitrogenates

Ammonia Sulphate—Production of 57,151,216 pounds in February as calculated by the Bureau of Mines reflected the cutback caused by the steel strike. Production in January showed 87,046,163 pounds and February a year ago, output was 125,007,295 pounds. Stocks on February 28 were 47,302,625 pounds, compared with 48,535,591 pounds at the close of January and 93,958,680 pounds at the end of February, 1945. Exports in January were 1,584 tons and for the period from July 1 through January, foreign shipments amounted to 12,695 tons, compared with 9,141 tons for the corresponding period in the previous year.

Bone Meal — Domestic production considerably below normal and insufficient to ease the supply position. Plenty of inquiries for both feed and fertilizer but no stocks.

Calcium Cyanamide — Importations in January were 24,594 tons. Imports for the period from July through January amounted to 106,308 tons, compared with 72,356 tons for the same period in the preceding year.

Castor Pomace—Current movement confined to existing contracts which is absorbing production and preventing stocks from reaching the open market.

Dried Blood—Restricted production has greatly curtailed offerings in the open market. Inquiry was active with trading practically nil. Importations from July through January were 1,125 tons, compared with 5,877 tons for the same time in the previous year.

Soda Nitrate—Importations in January amounted to 53,605 tons. Total arrivals from July 1 to August 31 were 256,774 tons, compared with 407,425 tons for the corresponding period in the preceding year. Demand has continued to exceed the supply of both imported and domestic and the market position has remained definitely tight.

Tankage—Market was practically bare of domestic supplies with trading at a standstill. Some contract material, amounting to 1,016 bags, came in from Montevideo and 915 bags from Havana. There were also 2,039 greaves cakes from Buenos Aires.

Phosphates

Phosphate Rock—Supply position remained tight with production heavily under contract and shipments absorbing material as fast as made available. Heavy demand for Florida rock and also ground rock continued to feature the market with a sizable tonnage for export left uncovered. Total export shipments in January amounted to 45,586 tons. Exports from July through January totaled 438,301 tons, compared with 277,149 tons for the corresponding period in the preceding year.

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
71.8	71.8	71.8	71.8

(For Current Prices see page 9)

Superphosphate — Bureau of the Census placed production of normal at 632,358 tons in February. Output of concentrated 45 percent was 25,694 tons and wet-base 3,997 tons. These figures compare with a revised total of 649,792 tons of normal, 25,419 tons of concentrated and 4,086 tons of wet-base in January. Stocks on February 28 were 750,599 tons of normal, 34,752 tons of concentrated and 10,250 tons of wet-base. Market conditions are tight with demand active both for home and export consumption. The total export movement for February included 15,675 tons of normal 18 percent, 11,292 tons of concentrated 45 percent and 282 tons of other phosphate materials. Over the period from July 1 through January, exports amounted to 102,430 tons of normal, 47,572 tons of concentrated and 1,536 tons of other phosphate materials.

Potashes

Steady contract shipments are passing rapidly into consumption and the market remained practically bare of resale material. The season is nearing its end without any visible easement in buying conditions. Exports of muriate in January were placed at 8,293 tons and 2,333 tons of other grades of potash, making a total of 10,626 tons compared with 9,512 tons for the same month in 1945.

Markets at Other Centers

Atlanta, April 19.—Demand continues unabated for all raw fertilizer materials. Mixers operating at capacity as far as labor and supplies will permit. Rains held up some planting but cotton and peanuts satisfactory in South Georgia and Alabama.

Los Angeles, April 19.—Demand for crude fertilizer materials continues at a high point in activity, with sellers finding it difficult to keep up with orders, and with every indication that this situation will continue throughout the crop growing period. To the domestic needs is to be added the shortage in virtually every other country, so that a continuation of inadequacy is certain.

Sulphur and Pyrites

Adequate stocks of sulphur have kept buying conditions favorable and there is nothing to indicate a change in the situation at present unless transportation is bottlenecked by a freightcar shortage. Consuming demand has continued active both for home and export. Australian imports of sulphur from the United States in October, 1945, amounted to 11,536 short tons. Imports in July-October, the first four months of the current fiscal year, totaled 31,136 short tons. Pyrites has moved against existing contracts without disclosing any unusual feature. Prices were unchanged.

Insecticides

Calcium arsenate production in February registered 1,104,000 pounds, compared with 952,000 pounds in January, according to the Department of Commerce. Lead arsenate output in February amounted to 7,567,000 pounds, against a revised total of 6,421,000 pounds in the preceding month.

It is stated that owing to the small gardens in Malaya, which account for only one-tenth of the derris acreage, there will probably be a monthly output of 50 to 75 tons of derris, beginning almost immediately. The derris industry in Malaya is hampered by labor trouble and the high cost of collecting the roots. Although the United States could use every pound of derris produced in Malaya for some time to come, reports indicate that trade with that British possession must wait upon the return of civil administration to that area.

For Late Market Developments, See Page 4

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Coaltar Chemicals

Lower steel production with prospects of a further cut in output has made prospects for coke uncertain and suppliers of coaltar chemicals have adopted a more cautious attitude. Meanwhile, demand remained active although it was admitted that the continuance of the soft coal strike is likely to have an influence on consuming industries corresponding to that of producers of coaltar chemicals. Prompt shipments of benzol were available last week and some xylol could have been purchased. There was plenty of toluol around but in other departments of basic coaltar chemicals, stocks were definitely shorter than a week ago. The uncertain basic situation had its effect on intermediates and dyestuffs. In several instances, producers were not inclined to accept new business calling for prompt shipment and some were not keen on naming specific options for future delivery. Orders were taken to some extent with the former proviso, "if available." In general, production is heavily sold against existing contracts and the buying proposition at present is quite a difficult problem.

Steel operations for the week beginning April 15 were scheduled at 77.4 percent of ingot capacity, compared with 78.3 percent in the previous week, according to the American Iron and Steel Institute. A month ago the indicated rate was 88.9 percent. The present schedule is equivalent to the production of 1,364,100 net tons of ingots and castings, compared with 1,379,900 tons in the preceding week and 1,683,300 tons for the corresponding week in 1945.

Production and supply figures in some of the following market reports were released by the Bureau of Mines and refer to coke byproducts.

Basic Products

Benzol—Prompt shipments remained available last week although the outlook was confused on account of the continuance of the soft coal strike. So far this month the market has maintained a fair degree of balance. Production in February reflected the full effect of the steel strike. Output of the motor grade was off 44.2 percent, compared with the previous month. The total amounted to 1,470,881 gallons. Nitration was down 31.9 percent at 1,714,521 gallons and industrial pure was off 40.4 percent at 2,442,399 gallons. Stocks of motor grade on February 28 registered 2,134,323 gallons, nitration 1,668,099 gallons and industrial pure 2,514,103 gallons.

Market Trends

Prices Advanced
None
Prices Reduced
None
Comparative Price Indexes
(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
127.3	127.3	127.3	129.2

(For Current Prices see page 9)

Coaltar—Production of crude coaltar dropped 28 percent in February. The total was 30,142,550 gallons, compared with 41,859,169 gallons in January. Stocks of crude at the end of February were 33,817,672 gallons, against 30,597,713 gallons on January 31.

Creosote Oil—Showed a greater decline in output in February than any of the other basic coaltar products. The decline was 58.3 percent and the total production 798,641 gallons. In January the output was 1,915,848 gallons. The advance of the month has shown no easement in demand for wood processing, the railroad inquiry being exceedingly heavy. The market remained in definitely short supply.

Cresylic Acid—Stocks were practically unobtainable in the open market. Domestic production was under pressure to meet contract requirements mostly for plastics and tricresylphosphate. Importations last week amounted to 917 drums.

Naphthalene—Available stocks in both the crude and refined grades have remained considerably short of demand and consumers in some instances have been forced to curtail production. February output of crude, solidifying at less than 70°C was down 23.7 percent, compared with January. The total was 834,442 pounds. The grade solidifying at 70° and less than 79° showed an output of 1,387,337 pounds, off 55 percent, compared with January. Total stocks at the end of February were 2,027,009 pounds, against 2,048,162 pounds on January 31.

Phenol—Heavy demand has drained available stocks to a lower level and the market has assumed a much tighter position than noted at the beginning of the month. While the movement for plastics has been of sizable dimensions, there has also been a broad demand for miscellaneous uses.

Pyridin—Refined grade has tightened appreciably during the past week and a limitation on available crude

Benzene Allocation: Jan. 1, 1944, to June 30, 1945

A report based on benzene allocation record of the War Production Board has been released. This report is based on chemical allocation records of the War Production Board. Summaries of allocation data for benzene were prepared for the years 1943, 1944, and the first half of 1945. Over this period, the yearly disappearance ranged between 190,000,000 and 255,000,000 gallons of benzene with only about 1.0 percent assigned to undistributable military end-uses and to foreign export. The remaining 99 percent was used in other essential domestic uses.

Data for the 18-month period, January 1, 1944, to June 30, 1945, are summarized in the table given below. The data present wartime distribution with allocations permitted only for identifiable military uses and other essential requirements. Also, quantities allocated vary indeterminately from actual consumption. Finally, during the war, benzene was produced in quantity in government plants under the ordnance explosives program. Data for the distribution of quantities so produced are not available.

	Gallons			
	Total amount	January 1-June 30, 1945	July 1-Dec. 31, 1944	January 1-June 30, 1944
Direct military[1]	1,868,000	42,000	638,000	1,188,000
Foreign	88,000	23,000	20,000	45,000
Other uses	369,890,000	118,649,000	135,609,000	115,632,000
Aviation gasoline[2]	175,630,000	45,707,000	71,746,000	58,177,000
Styrene	80,561,000	30,830,000	27,431,000	22,300,000
Phenol	39,911,000	14,422,000	12,114,000	13,375,000
Anilin	22,208,000	9,374,000	6,768,000	6,066,000
Chlorobenzene	9,403,000	3,982,000	3,208,000	2,213,000
Solvents	8,124,000	2,446,000	3,170,000	2,508,000
Diphenyls	3,574,000	981,000	1,161,000	1,432,000
Medicinals	2,100,000	608,000	700,000	722,000
Solvent blends[3]	1,376,000	643,000	733,000	.....
Nitrobenzene	1,618,000	401,000	507,000	710,000
Rubber chemicals	937,000	347,000	290,000	300,000
Trichlorobenzene	246,000	74,000	98,000	74,000
Miscellaneous uses[4]	24,202,000	8,834,000	7,613,000	7,755,000
Total allocations	371,846,000	118,714,000	136,267,000	116,865,000

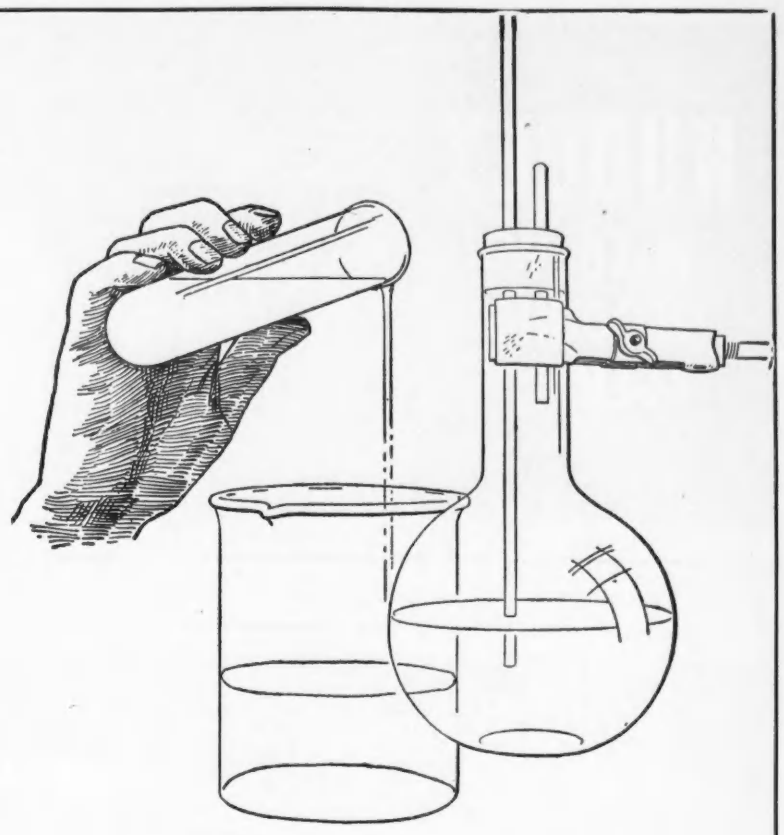
[1] Enduse data not available.
[2] Includes military aviation fuel.
[3] Blends as defined and controlled by Order M-150.
[4] Includes benzene used in the manufacture of nylon, phthalate plasticizers, maleic anhydride, camphor, anthraquinone, resorcinol, alcohol denaturant, small orders, and other miscellaneous uses not specified. Quantities used in nylon comprise a substantial part of this total. No benzene was allocated for the manufacture of automotive fuel during this period.

For Late Market Developments, See Page 4

KOPPERS Coal Tar Chemicals

Benzol
Toluol
Xylol
Phenol
Cresols
Xylenols
Cresylic Acid
Frozen Neutral Oil
Tar Acid Oils
Pyridine
Picolines
Lutidines
Quinoline
Naphthalene
Creosote Oil
Sulphate of Ammonia
Phthalic Anhydride

and other coal tar chemicals



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stocks is also noted. Production of crude in February was 12,248 gallons, dry basis, a decline of 35.6 percent from the preceding month. Stocks on February 28 were 118,207 gallons, dry basis, compared with 138,559 gallons at the close of January.

Toluol—Continued available in sufficient quantities to meet consuming inquiries in full. February production amounted to 546,702 gallons of nitration, off 42.1 percent from January. Industrial pure showed an output of 247,069 gallons, up 19.9 percent and all other grades produced were 121,474 gallons, down 15.7 percent. Stocks of nitration on February 28 were 1,850,741 gallons, industrial pure 285,447 gallons and other grades 66,437 gallons.

Xylol—Fairly prompt shipments of the industrial grade were available in some directions but not all suppliers were in this position. Production of all grades in February amounted to 280,083 gallons, down 32.6 percent, compared with the previous month. Stocks on February 28 were 363,661 gallons, against 364,054 gallons at the close of the preceding month.

Chicago, April 19.—Restricted supply continues to be a handicap for the sale of coaltar bases. Steel industry output of the products is being hampered by the generally reduced rate of over-all operations because of the coal strike. Benzol continued to give a good account of itself. Ruling prices exclusive of tax were:—Benzol, pure, in tankcars, freight allowed 15c. per gallon; 2-degree toluol, same basis, 27c.; 10-degree xylol, same basis, 29c.; industrial xylol, same basis, 26c.; solvent naphtha, same basis, 27c.; creosote oil, grade 1, 15½c.

Hydrogenated Solvents

Inventories have remained sufficient to meet the demand for most of the materials under this classification. Consuming inquiry, while diversified, has averaged about peace-time normal. Sales of hexachlorocyclohexane have been made on the basis of 8c. a pound in drums, works in carlots and at 9c. a pound in smaller quantities, works.

Coaltar Acids

Anthranilic—Demand is exceeding the present supply. Buying interest for dyes, intermediates, resins and waxes has continued active and producers of this acid have not been able to build up inventories.

Broenner's—Buying conditions have not improved so far this month. Shipments to regular consumers are about all current production can stand.

Fumaric—Producers have continued under pressure for shipments and the supply position has remained definitely tight. Heavy demand, mostly for synthetic resins and affiliated products is more than present output can satisfy readily.

Gamma—Not unlike the position of other acids. Inquiry for use in the manufacture of dyestuffs and intermediates has shown no sign of easement and buyers have experienced difficulty in securing additional lots.

Other Intermediates

Anilin—Stocks satisfied requirements on a fairly prompt basis. Demand active, particularly for chemicals, dyestuffs and intermediates. Production depends on the availability of benzol.

Benzidin Base—Demand for dyestuffs and chemicals has continued active enough to check the building of inventories. Market position tight and firm.

G Salt—Supply short with producers attempting to supply regular consumers in the dyestuff industry. Doubtful if much new business would be considered at present.
and other metal industries.

Phthalic Anhydride—Consuming demand seemed to be further exceeding the supply level leaving the market in a tighter position. The stringency in crude naphthalene has made it difficult to maintain production at former high levels. Any permanent improvement in the output of automobiles would likely increase the demand for this intermediate as it is essential to the manufacture of synthetic resins and other finishes of the enamel type.

Coaltar Colors

Difficulty in securing sufficient quantities of intermediates has aggravated progress in expanding dyestuff output at present. Domestic demand for acid, direct, vats and other varieties is sufficient to limit available stock for export, although the inquiry for foreign consumption is said to be constantly increasing.

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Anilin Consumption Data in 1944 Released

This report is based on chemical allocation records of the War Production Board. Summaries of allocation data for anilin were prepared for the years 1943, 1944, and the first half of 1945. Over this period, the yearly disappearance ranged between 90,000,000 and 100,000,000 pounds of anilin, with about 7 percent of the total assigned to undistributable military enduses and to foreign export. Allocation data are subject to a number of limitations. In a few instances, consumption data, as reported by applicants, are available. Such is the case for anilin, and accordingly, consumption data rather than allocations, are shown in the table below.

Anilin consumed in the manufacture of derivatives is classified according to the enduse of the derivative. For example, anilin used in the production of diphenylamine and hydroquinone is included with (a) rubber chemicals; (b) dyestuffs, pigments, and intermediates; and (c) resins and plastics in proportion to the consumption of diphenylamine in the manufacture of these products. This is true also for the allocation data mentioned in the first paragraph, except that all anilin used in the manufacture of diphenylamine is included with "rubber chemicals." The allocations data represent wartime distribution with allocations permitted only for identifiable military uses and other essential requirements. Also, anilin was produced in quantity in government plants under the ordnance explosives program. Data for the distribution of quantities so produced are not available.

	Pounds
Direct military[1]	5,546,000
Foreign	1,696,000
Other uses	82,543,000
Rubber chemicals[2]	46,137,000
Dyestuffs, pigments, intermediates	19,350,000
Drugs and pharmaceuticals[3]	3,808,000
Explosives and stabilizers	3,030,000
Photographic chemicals	1,935,000
Petroleum refining[4]	1,572,000
Resins and plastics	1,553,000
Miscellaneous uses and small orders[5]	5,158,000
Total consumption	89,785,000

[1] Enduse data not available.
[2] Synthetic rubber additives, such as cyclohexylamine, diphenylamine, and hydroquinone.
[3] Anilin reserved largely for the manufacture of sulpha drugs.
[4] For the preparation of emulsion-breakers, petroleum additives, gasoline-gum inhibitors, and oil corrosion inhibitors.
[5] Flotation products, parasiticides, mildew inhibitors, etc. About 163,000 pounds were allocated under the small order exemption clause of the allocation control order.

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UNITED STATES STEEL

N.Y. Textile Chemists To Elect Officers

The New York section of the American Association of Textile Chemists and Colorists will elect new officers at a dinner-meeting to be held in the Downtown Athletic Club May 3. Dr. Ralph T. Cornwell, director of Research for the Sylvania Industrial Corporation, Fredricksburg, Va., will speak on "Cellulose Ethers and Their Application to Cellulose Fibers."

Celotex Research Head Returns from War Work

Wallace Waterfall, for the past three years on the scientific staff of Columbia University's division of war research, has returned to the Celotex Corporation, insulating materials, New York, as director of research and product development.

Calco Moves N.Y. Sales Office of Dyestuff Dept.

The New York district sales office of the dyestuff department of the Calco Chemical division, American Cyanamid Company, Bound Brook, N. J., is now located at 30 Rockefeller Plaza.

Continental Can Names Smith Omaha Sales Representative

Blake Smith, formerly general line salesman for the Continental Can Company's Kansas City, Mo., office, has been appointed sales representative of the Omaha, Neb., territory. He succeeds S. R. Gordon, retired.

Barnett Leaves Stein-Hall

H. R. Barnett, formerly affiliated with Stein, Hall & Co. as head of its starch department, has become associated with Viktor Petschek in the formation of the American Key Products, Inc., with offices at 5 Beekman street, New York. The new company will specialize in domestic and imported starches and other sizing materials.

Rheem Advances Sawyer

Richard S. Sawyer has been named assistant general manager of purchasing and traffic for Rheem Manufacturing Company, steel shipping containers, New York. He formerly was in charge of steel purchases for Rheem's eighteen plants engaged in war production.

Trade Briefs

National Research Corporation, Cambridge, is constructing a three-story building in that city to house its laboratory and offices.

American Viscose Corporation, Wilmington, Del., has appointed James L. Truslow as overseas representative to keep the company abreast of textile and other related developments outside the United States.

Dexter Chemical Corporation, New York, has added Alfred Driscoll to the research staff of its textile chemical division. For the past five years he was chief chemist for the Celludye Corporation, New York.

Textile and Leather Chemicals

Scarcity of sizing materials continued to affect business during the week. Consumers were seeking to cover requirements, but met with little success, because of the dearth of stocks of all starches and dextrins. Factors pointed out that the supply situation was becoming progressively worse and that the crisis would not be relieved until the new corn and other crops are harvested. Potato starch producers and tapioca flour importers have petitioned OPA for an increase in domestic and import price ceilings in order to meet the higher production costs and competition from foreign consumers.

Interest in tanning materials continued centered in quebracho extract, chestnut extract and wattle bark and extract. Trading was active in quebracho extract, while the scarcity of supplies restricted sales in the latter materials. Myrobalans were reported easier for shipment, with tanners showing little interest at present.

Sellers of refined corn sugar in bulk, having a dextrose content of over 90 percent, subject to GMPR, were permitted under order No. 53, amendment 1, of 19a to sell this product at a price to be adjustable by the final action by OPA. Petitions have now been filed requesting price increases for corn starch and dextrin products, corn syrup unmixed, corn syrup solids and crude corn sugar, all in bulk. Pending the final action by OPA, deliveries of these products under amendment 1, and 19a effective April 11 may be made at a price to be adjusted after further consideration by OPA. Prior to such final action, no prices shall be paid in excess of those prevailing on the date of delivery.

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
288.5	288.5	288.5	279.7

(For Current Prices see page 9)

Chemicals

Bichromates — An active demand continued to absorb production. Supplies for resale were limited. Prices were firm at ceilings. Export demand continued brisk. Production of soda bichromate and chromate were indicated at 7,134 short tons during February, compared with revised figures of 7,735 tons in January.

Sulphonated Oils — Supplies continued light, owing to the scarcity of castor oil and tallow. Demand for neatsfoot oil was moderate.

Dyestuffs

Annatto Seed—The bulk of recent arrivals of 1,000 bags at New York from Jamaica were delivered against former contracts. Trading in the spot market was moderate and mainly for limited quantities. Prices were steady.

Madder—Small lot buying was noted during the week. Stocks on the spot were light.

Sizing Materials

Albumen Blood—Market remains steady, with consumers taking sizable quantities against former orders. Seasonal demand also has improved. Prices were firm and unchanged. Dried soluble blood was well held at former levels.

Albumen, Egg—Trading was moderate and mainly for immediate needs. Volume of sales have been affected of late by the scarcity of sugar. Supplies were more liberal, but prices were well maintained at ceilings.

Dextrin, Corn—Urgent request continued for delivery against former orders, with processors limiting deliveries to 60 percent of 1945 purchases in accordance with recent government restrictions. Processors have requested OPA to raise ceilings, which is under consideration. However, OPA has permitted producers to make deliveries at prevailing quotations, pending the adjustment of prices by the final action of OPA.

Egg Yolk—Supply situation has shown gradual easing, but trading was moderate and was restricted by the scarcity of sugar. Market was steady at ceilings.

Starch, Corn—Processors have petitioned OPA to increase prices of corn starch products and while the matter is under consideration, they have been permitted to sell and make deliveries at prevailing quotations, effective April 11, pending the final adjustment of the price schedule by OPA. Consumers continued to absorb the light production against former contracts, and the demand for additional commitments was unsatisfied. Offerings of cash corn and for nearby delivery continued scanty, and prospects were not bright for improvement in the supply situation during the balance of the crop season. Visible corn supply decreased 1,419,000 bushels for the week ended April 13 to 19,810,000 bushels, as compared with 18,776,000 bushels, a year ago, according to the Chicago Board of Trade.

Starch, Potato—Producers in Maine and Idaho mills were reported shutdown owing to the lack of potatoes. In order to resume operations Maine producers were planning to petition OPA for an increase of about 2c. per pound in the ceiling, it was reported, in order to meet the competition from alcohol distillers and potato exporters.

Starch, Sweet Potato—Sweet potatoes will continue short of demand at ceiling prices because of the small crop last year, the Bureau of Agricultural Economics reports. According to the prospective plantings report, the acreage for sweet potatoes was estimated at 711,700 acres in 1946, slightly less than the acreage planted last year, so another short crop was indicated for this year.

Tapioca Flour—Members of the trade have petitioned OPA to raise the import ceilings on tapioca flour in order to meet the competition from European and other foreign buyers. Consumers showed an active inquiry for shipments of new crop flour from Brazil, which were expected to start moving late in May. Production of the Brazilian crop was estimated at 25,000 to 30,000 tons during the season. Arrivals totaled 12,655 bags during the week, for delivery on prior orders.

Tanning Materials

Chestnut Extract—Limited supplies were moving against former orders. Small production was sold up and offerings were scanty. Prices were firm at ceilings.

Divi-Divi—While trading was reported quiet, offerings from primary markets were light and well maintained at former levels. Inquiry from tanners for nearby delivery was fairly active. Arrivals of 500 seroons were noted at New York during the week, and were delivered on previous contracts.

Logwood Extract—Imports of this product totaled 150 barrels at New York during the week.

Quebracho Extract—Arrivals have increased and totaled 64,000 bags at New York during the week and were consigned against former contracts. Trading has been active since the higher ceilings became effective, bringing out increased offerings from producers in the Argentine. Market was firm at ceilings.

Tara Powder—An improved inquiry was noted both for pods and powder. Offerings were light and the market was firm at the recent advanced ceilings.

Urunday Extract—Arrivals totaled 2,015 bags at New York during the week for delivery against former orders.

Wattle Bark—Advices from Africa stated production was light and would cease in July and August for the overhauling of machinery. Tanners continued to show an active inquiry for replacements, but with offerings scarce, trading continued dull. Market was well held at ceilings. Arrivals of bark were noted at 2,423 bales and 19,260 bags of extract at New York during the week for delivery against previous contracts.

For Late Market Developments, See Page 4

ALBUMENS

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Drugs and Fine Chemicals

Menthol and penicillin at slightly higher prices came in company with a general firming of the drug market and some lessening of the recently rather substantial competition in both articles. Furfuryl alcohol was lower.

But of far greater importance to the nation as a whole were developments born of the idle major slaughter plants from which should come raw materials for making glandular medicinal agents. Idle plants are caused by diversion of cattle to blackmarket slaughterers who lack the desire, will, or facilities for removing, preserving and shipping such organs as the pancreas, thyroid, and pituitary to the pharmaceutical manufacturers of the country. Failure to receive such organs for processing threatens an acute shortage of the medicines without which death must come to many.

Agents of the pharmaceutical houses producing insulin and products designed to offset glandular irregularities reported to a congressional hearing the failure of their attempts to get glands from the major meat packers of the country. A Houston, Tex., packer read telegrams received from practically all major pharmaceutical manufacturers pleading something be done to get the raw materials to make the medications without which many are doomed to die. Diabetics et al., face a dark future at the moment.

Acid, Acetylsalicylic—Supplies prevailed for hardly more than current requirements in this country and continued inquiries for export trade were usually rejected by at least some manufacturers.

Acid, Benzoic—Progress with the soft coal union management is bad enough to cause concern steadily to arise among those dependent on coal as raw material for the production of coaltar products. Long continuation of the strike will strike down the supply of benzol.

Acid, Boric—Demand takes production promptly and at times something akin to a pinch on supply is felt in some quarters.

Acid, Cacodylic—A domestic industry created during the war will probably face European competition in this market once the European producers get back into international commerce.

Acid, Gallic—Demand was very good and accounted for production in excellent fashion. Prices were definitely firm in all quarters.

Acid, Nicotinic—Deliveries were on a satisfactory basis at steady prices and in volume close to present consuming requirements.

Acid, Thioglycolic—Competition was very keen and the tendency of prices was to at least bend at times if actually not to break.

Aloe — Market undertones grow steadily stronger and the tendency of prices is even more pronouncedly toward higher levels because of prevailing prices in primary market points.

Aloin—A rise in price is viewed as a possibility in view of the situation prevailing in raw material where prices tend upward and offerings tend to decrease in number and size.

Amyl Acetate—The supply tends to decrease when the item is made from fusel oil. Recovery of fusel oil drops as alcohol production falls off and its curtailment in recent months has been more than substantial.

Atropine—Raw material supply and cost is more than sufficient reason for the maintenance of high prices to which this alkaloid was advanced recently. No competition exists at this time since numerous former suppliers are entirely aloof from the market.

Berberine—Inquiries are in the market but apparently go unfilled. Inquiry in quarters usually identified with production brings information that when available it is now sold on a per ounce basis instead of per pound as it had sold for years. But no regular schedule is offered for public posting on values.

Borax—Calls reaching the leading producers show a volume sufficient to reduce considerably the unsold stocks in the hands of the miners. Something akin to a pinch on supply exists at times and tends to maintain a very firm market position for the item.

Brucine—It could be that domestic production of this item can play more of a part in meeting consumer requirements than has been the case. At least, arrivals of the basic raw material are gaining.

Butyl Acetate—The production cost of this article leads steadily to a strengthening and advance in spot quotations on fermentation material described as normal and produced in Illinois and Indiana. The raw material position has tightened much by reason of the international food situation, which has led to a reduction on the amount of grain that may be processed.

Calcium Acetate—For some reason not disclosed, no production figures have issued from government agencies for a substantial period of time. Nor has anything been revealed concerning imports.

Camphor—Synthetic camphor is expected to hold its own against any export proposals that may arise from Formosa or Taiwan when Far East conditions permit restoration of trade. Consumption of technical synthetic material is expected to rise.

Castor Oil—Importations of beans last week totaled 4,057,200 pounds, bringing the total since January 1 to the higher figure of 81,556,200 pounds. This compares with 64,473,350 pounds imported during the corresponding period in 1945. Demand for oil continued to run ahead of supply despite the fact that raw material arrivals run ahead of those a year ago. It is the keen hunger of the protective coatings industry that accounts for the huge volume of demand prevailing now for oil.

Chicago, April 16.—Castor oil prices, are: — Cold pressed, U.S.P., 15c. per pound, returnable drums, carlots, 15¾c., drums, less than carlots; tanks, 14¼c.; No. 3, extracted, 14¾c., drums, carlots; 15c., drums, less than carlots; 14c., tanks.

Codliver Oil—Demand was good and supply proved fully adequate to cope with any expansion in the consuming needs of the nation. Stocks of oil mount in foreign parts but official price action by the Norwegian and other governments has been merely maintenance of values prevailing for some time past. Some importers think that high production this year will eventually produce sufficient international competition to bring official reductions in prices.

Cream of Tartar—Supplies were still conservative but there remains a chance that stocks may gain as the result of international events. Spanish shipments could actually gain if events take the proper turn now that Poland has demanded the United Nations take up the Spaniards in general and Franco in particular as a possible threat to peace.

Ethyl Acetate—Raw material conditions are none too propitious for the production of this item and the situation tends to become firmer in all respects.

Fishliver Oils—Demand and supply continue at odds, the former exceeding the latter in most instances and resulting in a strong market being undersupplied as compared with its sales capacity or capabilities.

San Francisco, April 17.—Fish liver oils continue in good demand, but limited offerings made for a slow market.

Gelatin—Statistics covering production, shipments and stocks of edible, pharmaceutical, photographic, and technical gelatin covering the period of February and January, 1946, and

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

Menthol, natural, 15c. per lb.
Penicillin, 5c. per 100,000 units.

Prices Reduced

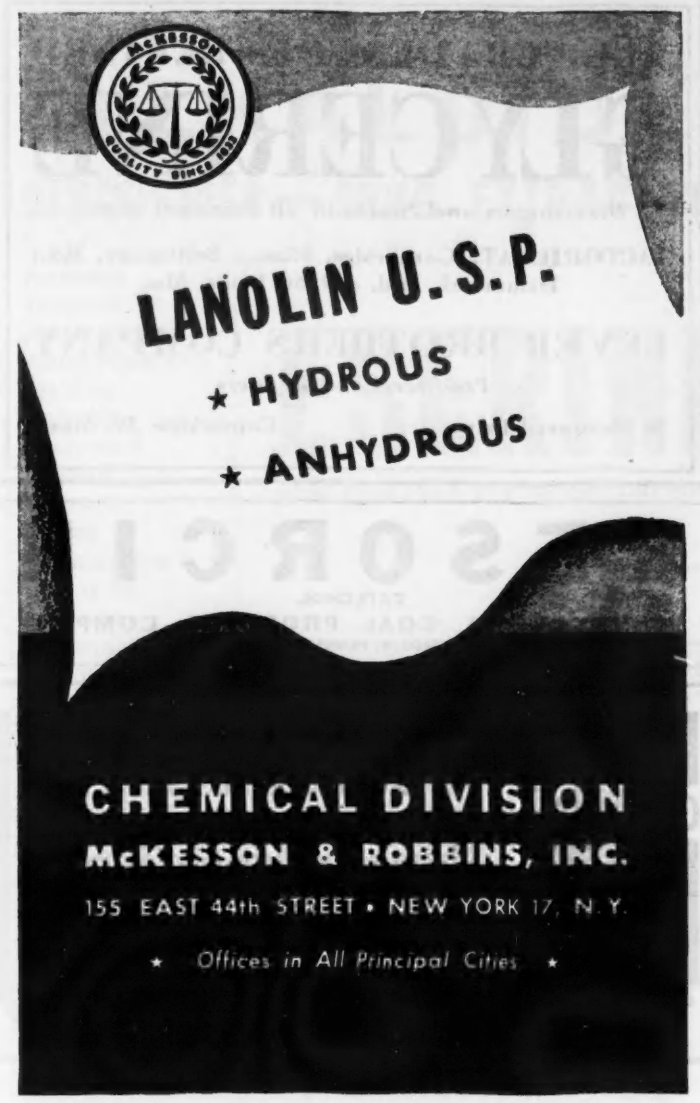
Furfuryl alcohol, 1c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
209.9	209.4	209.2	222.2

(For Current Prices see page 9)



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released by the Bureau of the Census, are as follows:—

Gelatin Data: February

	Pounds	
Production—	**February**	**January**
Edible	2,438,747	2,057,276
Pharmaceutical	321,544	391,549
Photographic	713,027	774,746
Technical	138,453	159,742
Total	3,611,771	3,383,313
Shipments—		
Edible	2,296,647	2,169,955
Pharmaceutical	370,531	342,256
Photographic	577,722	631,156
Technical	149,919	156,991
Total	3,394,819	3,300,358
Stocks—		
Edible	2,505,244	2,345,796
Pharmaceutical	307,034	256,020
Photographic	2,705,038	2,563,733
Technical	130,060	141,526
Total	5,647,376	5,413,076

Glycerin—The supply situation tends to tighten. No imports were reported last week and domestic refiners failed to increase their supplies. Raw materials tended to become scarcer and no end to the headache was in sight during the period. Meanwhile, demand for glycerin continued unabated, especially from the protective coatings industry.

Chicago, April 16.—Glycerin prices are:—C.p., tanks, 18c.; drums, c.l., 18¼c.; l.c.l., 18¾c.; high gravity, tanks, 17½c. to 18c.; drums, c.l., 17½c. to 18c.; l.c.l., 18c. to 18¾c. Chemically pure, 18c. per pound, tankcars, 18½c., drums, carlots; 18¾c., drums, less than carlots.

Menthol—Spot prices were higher at $5.15 to $5.25 per pound. This advance reflected recent strengthening in the primary market position of natural menthol. Certain political developments in Brazil could affect the next crop of menthol. Brazil moved officially against certain Japanese interests—and menthol was introduced as a crop in Brazil by Japanese interests originally.

Milk Sugar—Producers in some instances find a major part of their production going to the manufacturers of penicillin and hence the availability of milk sugar for other purposes is suffering considerably.

Milk Powder—The Production and Marketing Administration on April 3 bought 180,000 pounds of spray process skimmed milk powder. On March 30, it bought 260,000 pounds whole milk powder.

Penicillin—Prices have risen to 60c. to 75c. per 100,000 units and the market holds an apparently firm position thereat. According to production data released by the Chemicals Division of the Civilian Production Administration, production in 1945 totaled 7,052,377 million units; 1944, 1,633,000 million units and 1943, 21,192 million units. Stocks at the end of 1945 were 39,504 million units.

Quicksilver—Prices declined no further in Spain, nor were they any lower on spot. But the market seemed slightly unsettled despite the fact that supplies of domestic metal were very small except for the large government reserve that cannot be sold now—if ever it should be sold, which is more than doubtful considering the extent to which domestic ore was mined during the war. Arrivals were 800 flasks from Spain, and 250 flasks from Chile.

San Francisco, April 17.—Inquiry picked up the past week for larger quantities of quicksilver. However, lack of supplies curtailed trading. Very little spot was available. Metal was being quoted at $103 per flask, f.o.b. this city.

Quinine—All reports from Holland suggest that real progress toward peace in Indonesia is being made at the conferences now in progress. Meanwhile, and until finality attaches to the conferences, restoration of Netherlands East Indies exports of cinchona bark, quinine, petroleum, and rubber must await the event. Those concerned with quinine business are uncertain as to its position once trade is restored, this because of the uncertainty about the inroads and permanence of malaria remedials developed and still under development in the nation's laboratories.

Saccharin—Production can scarcely keep up with needs and the entire situation is one of insufficient material to meet a large buying interest in this sweetener.

Theobromine — Price restrictions have been removed from this item and developments may be forthcoming at any time—especially should Switzerland be able once more to assume her share in prewar international trade. She exported 10,000 pounds to this country in 1939.

Trade Briefs

Griffith Laboratories, Chicago, is constructing a $50,000 plant in that city.

Harco Chemical Corporation, Newark, N. J., has changed its name to Harco Pharmaceutical Corporation.

Nyal Company, pharmaceutical manufacturer, Detroit, has assigned John B. Gatanti as sales representative in the Boston area and C. M. Ferguson in the South Texas area.

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Proprietary Ass'n To Meet May 13-15

The sixty-fourth annual meeting of the Proprietary Association of America will be held at the Biltmore hotel, New York, May 13-15. Sessions on the first day will be devoted to meetings of the scientific section, the foreign trade section and the ethanol committee. The sessions on the second and third days will cover regular business, a luncheon and a meeting of the veterinary section. Speakers for the various sessions have not yet been announced.

ADMA Probes Assay Methods for Vitamin D

The vitamin committee of the American Drug Manufacturers Association has appointed a subcommittee to investigate spectrophotometric methods of assay for vitamin D. Members of the subcommittee are Dr. C. W. Sondern, White Laboratories, Newark, N. J., chairman; O. D. Bird, Parke-Davis & Co., Detroit; Sereck Fox, Gelatin Products Company, Detroit, and E. B. Vliet, Abbott Laboratories, Chicago.

Brewer & Co. Purchases Vitamin Capsulating Unit

Brewer & Co., pharmaceutical manufacturer, Worcester, Mass., has purchased the vitamin capsulating division of the Atlantic Coast Fisheries Company, New York. Brewer recently completed a new pharmaceutical and biological research laboratory in Worcester.

Frank, Weil & Strouse Names Anderson Drug Consultant

Earl L. Anderson, formerly chief of the import division of the Food and Drug Administration, has been named food, drug and cosmetic consultant for Frank, Weil & Strouse, New York.

Ampul Manufacturers to Meet

A group of manufacturers of parental medications will hold a dinner-meeting at the Lexington hotel, New York, April 26.

APMA Meeting to Be Attended by CPMA

The Canadian Pharmaceutical Manufacturers' Association has voted to collaborate in the meeting of the American association, to be held at the Chateau Lake Louise, Alberta, Canada, June 10-12.

R. H. Thompson, of the E. B. Shuttleworth Chemical Company, Toronto, and president of the Canadian association, will be one of the principal speakers on the program which will include other Canadian scientists.

NWDA Meeting

—Continued from page 7

salesmen are in for a long session of training to get them back into hard selling.

Better Distribution

To help guarantee more scientific and intelligent selling and better distribution, the association has established two research fellowships at Ohio State University, Mr. Benson said. One, he felt sure, would result in properly-selected, properly-trained and properly-directed salesmen, and the other to a more intelligent approach to the operating end of the business.

Claude L. Smith, of McKesson & Robbins, Inc., and chairman of the committee on sales management, elaborated on the research program. He explained that salesmen already under scrutiny at Ohio State are on the staff of Kauffman-Lattimer Company, Columbus, Ohio. Salesmen from four other companies are tentatively selected for study, he added.

Counsel to Retailers

The importance of the wholesalers' aid and counsel to the retailer was emphasized by H. W. Adkins, executive vice-president of Yahr-Lange Inc., Milwaukee, and George F. Smith, President of Johnson & Johnson, New Brunswick, N. J.

Mr. Adkins said that retailers should be given to understand that both manufacturers and wholesalers are not at any time trying to sell them, but rather they are both trying to help the retailers buy and furnish themselves with machinery which will help them sell aggressively.

Mr. Smith urged members to help the retailers "cash in" on the greatly increased business in certain drug store items forecast for 1946 and 1947, and warned that "smart merchandisers outside the drug field have more than a casual eye on this far-reaching sales opportunity."

Advertising Aids Selling

C. S. Beardsley, president of Miles Laboratories, Elkhart, Ind., reported that approximately $800,000,000 is the annual bill paid by the American public in drug stores for packaged medicines, including vitamins and prescription items that have acquired tradenames. Scarcely any selling effort on the part of the druggist to move these items is necessary, he said, because the selling is done entirely by the manufacturers, either through advertising direct or through physicians.

A substantial increase this year over the 292,000,000 prescriptions written in 1945 was predicted by Dale Ruedig, associate sales director for Eli Lilly & Co., Indianapolis. Research is going on at a terrific pace in America, he said, and it is very important that pharmacists keep pace with all new developments, such as vitamins, liver therapy, insulin, glandular therapy, barbiturates, penicillin, streptomycin, thiouracil and others.

Pharmacy Students

Dr. E. L. Newcomb, secretary for the American Foundation for Pharmaceutical Education, reported that enrollment in schools of pharmacy for the present term has reached a new high of 7,215 students, but added that this high enrollment is still insufficient to meet demands of industry and public health. The foundation is currently spending approximately $200,000 for the improvement of pharmaceutical education, he said.

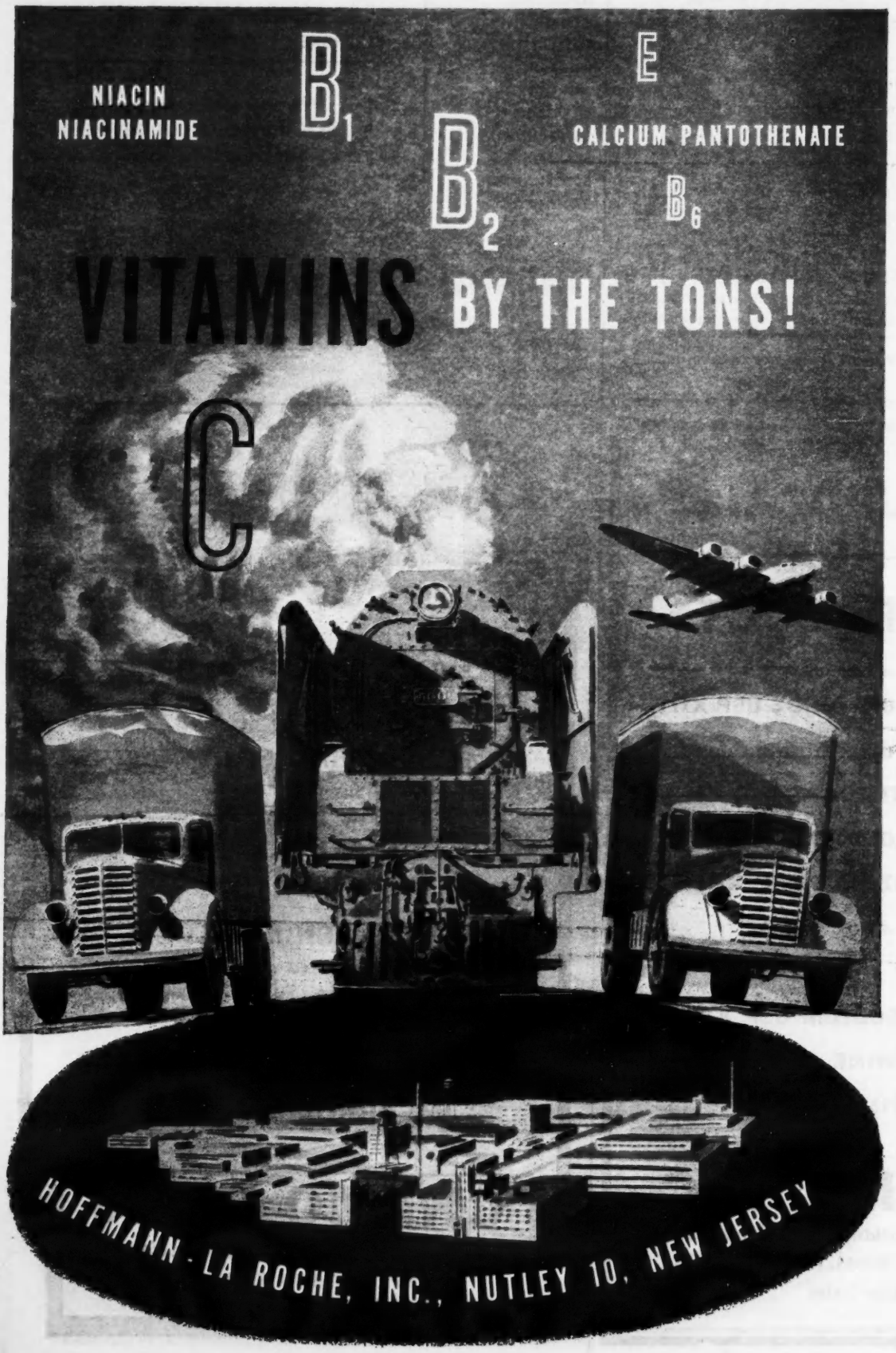
Rapid elimination of "practically every form of OPA price control with the exception of rents" was urged by Dr. H. H. Maynard, professor of marketing at Ohio State. Producers are ready to put into the hands of wholesalers and retailers a great stream of commodities which will make legislative control not only unnecessary but a positive detriment, he said.

No Rise in Drug Items

C. C. Caruso, of Schieffelin & Co., New York, and chairman of the board of control voiced the pride of the industry in the fact that during the war, and since, there has been practically no price rise in the consumer's cost of drug item, and stated that wholesalers were set for a fight to "hold the line" on drug prices by analyzing and streamlining their operations.

The Wagner-Murray-Dingell bill to make effective the so-called "President's National Health Program," was assailed by Dr. Morris Fishbein, editor of the Journal of the American Medical Association. American people have the lowest sickness and death rates of any great nation in the world, he said, and it is up to them to determine whether or not medicine in the United States is to continue to progress, or whether "it will sink through governmental regimentation into a routinized, clock-watching bureaucracy."

At the closing session it was announced that the annual Fall meeting would be held in Atlantic City, N. J., instead of New York this year.



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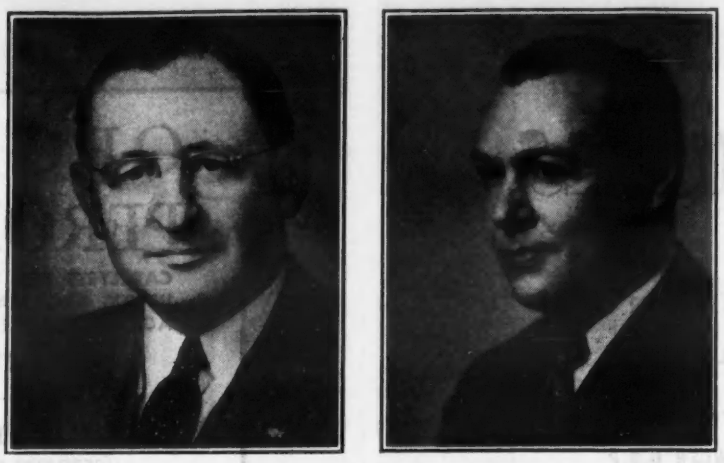
Patents Interchange Agreement Announced

Announcement of an agreement between the United States and the United Kingdom on amendments to the patent interchange agreement of August 24, 1942, which are intended to avoid postwar infringement litigation arising out of each government's use in war production of patents owned by nationals of the other government, has been made by the Department of State.

Under the terms of the agreement, the United States agreed, pursuant to the authority of the lend-lease act, to furnish Great Britain with licenses under American-owned British patents for use in war production, and similarly, Great Britain agreed to furnish to the United States licenses under British-owned American patents.

The amendments contain provisions describing, clarifying, and implementing the indemnities of the two governments, and incorporate into the patent interchange agreement provisions which meet practical problems which presented themselves during the conduct of operations under the agreement during the war.

Norwich Pharmacal Elects 2 Vice-Presidents



Howard A. Sumner (left) and George W. Bengert, who have been elected vice-presidents of the Norwich Pharmacal Company, Norwich, N. Y. Mr. Bengert, a director, has been placed in charge of production. Mr. Sumner, who was elected a director, is executive vice-president of Eaton Laboratories, Norwich.

Surplus Commodities Offered by WAA

The Consumer Goods Division of the War Assets Administration has issued the medical and surgical section of its catalog, Surplus Reporter, in a new and more comprehensive form. This issue (No. 12) contains five pages of pharmaceutical chemical listings and more than seven pages of various classes of pharmaceuticals, both groups being in small containers. It has more than fourteen pages of hospital and laboratory equipment and supplies, and fifty pages of medical, surgical, and dental professional and scientific equipment.

All items are priced in lots of various quantities.

The Surplus Reporter can be got from regional WAA offices.

Among articles on which the Kansas City WAA office will take bids until April 23 was 4,128 12-ounce packages of laundry starch (file No. 22205) and 30,269 1-ounce bottles of insect repellent (file No. 22335).

Swiss Firm Official Arrives in U.S. May 1

Fred Fluckiger, of Chemische Fabrik Schweizerhall A.G., Basle, Switzerland, will arrive in the United States May 1 to contact the various manufacturers his company represents in Switzerland. He also will get in touch with American firms that have no connections in that country, and will study the developments and trends in the American chemical industry.

Mr. Fluckiger, who will remain in the United States until May 30, will make his headquarters at the Natural Nydegger Transport Company, New York.

Metal Cans Shipments Show 7 Percent Increase

Total shipments of metal cans during January, 1946, showed a 7 percent increase over December, 1945, according to the Bureau of the Census. These figures are based on metal can shipments expressed in terms of the weight of steel consumed in the manufacture of the cans shipped. In the month of January metal can shipments on this basis amounted to 181,383 tons, as compared with the 170,038 tons shipped during December, and 180,297 tons shipped during November.

Continental Can Names Jennings to New Post

John Jennings has been appointed southeastern district manager of paper container sales for the Continental Can Company, New York. With headquarters in Atlanta, Mr. Jennings' territory will include North and South Carolina, Georgia, Florida, Mississippi, Louisiana, Alabama, and parts of bordering states.

Lakeside Laboratories Sales Promotion Headed by Dyer

Charles L. Dyer, formerly assistant to the president of Tailby-Nason Company, pharmaceutical manufacturer, Cambridge, Mass., has become advertising and sales promotion manager for Lakeside Laboratories, Milwaukee, Wis.

Wyeth Names Roberts to Staff

Dr. Edward F. Roberts, formerly executive officer and director of training at the medical laboratory, Fort McPherson, Ga., has joined the staff of Wyeth, Inc., pharmaceutical manufacturer, Philadelphia, as director of clinical investigation.

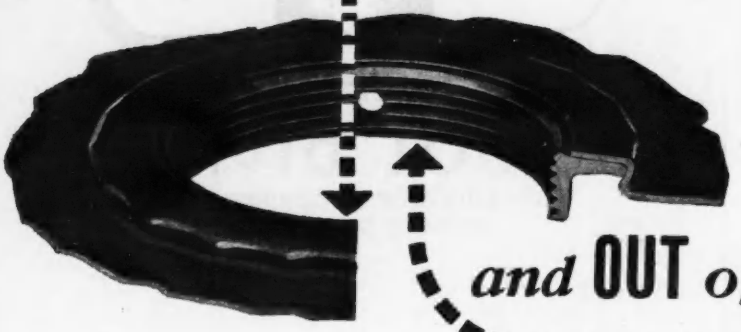
Rauth Joins Rare Chemical Co. Pharmaceutical Division

Edwin H. Rauth, formerly assistant director of advertising for Merck & Co., pharmaceutical manufacturer, Rahway, N. J., has been named assistant manager of the pharmaceutical department of the Rare Chemical Company, Harrison, N. J.

Hog Cholera Hearing April 29

Hearings scheduled to be held April 15 on a proposed amendment to the marketing agreement for handling of anti-hog-cholera serum and hog-cholera virus have been postponed by the Department of Agriculture until April 29.

More than the way **INTO**



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When a drum has been filled and then sealed with a VISEGRIP CLOSURE, it is truly leakproof at its closure.

A drum with a VISEGRIP CLOSURE will withstand whatever handling it is apt to receive while it is in traffic. (*Drums filled with water and weighing 499½ pounds have been dropped so that their* VISEGRIP CLOSURES *would strike directly on a section of standard railroad track, from heights of from 4′ 0″ to 7′ 0″.* No leaks developed.

One of the world's largest producers of alcohol tested the delivery from a drum equipped with a VISEGRIP CLOSURE and found that all but 1.5 ounces of the original liquid load were delivered. 1.5 ounces, or 3 tablespoons, will not nearly fill your cupped hands . . . VISEGRIP CLOSURES practically squeeze their drums empty.

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If you do not have a copy of "ViseGrip Drum Closures" available to you for reference when ordering your drums, please ask us for a copy so that you may study the construction, installation and operation.

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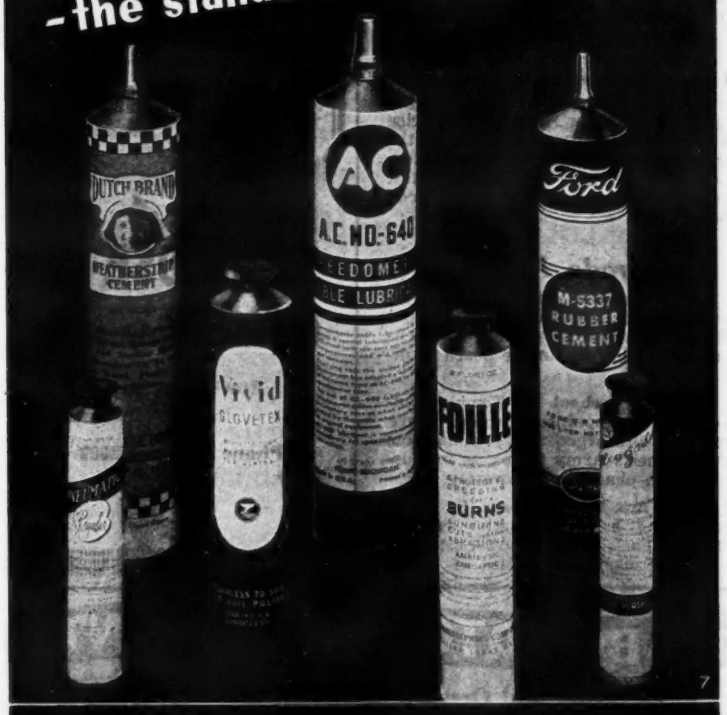

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Formaldehyde Use Reported for 1944

This report is based on the chemical allocation records of the War Production Board for the year 1944 and the first half of 1945. Over this 18-month period, the yearly disappearance was in excess of 518,000,000 pounds of 37 percent formaldehyde solution, or its equivalent. Only about 1.8 percent of the total material allotted during this period was assigned to undistributable military end-uses and to foreign export.

Allocations data are subject to a number of limitations. In a few instances, consumption data, as reported by applicants, are available. Such is the case for formaldehyde, and accordingly, consumption data for the year 1944 rather than allocations, are shown in the table below. The data represent wartime distribution with consumption permitted only for identifiable military uses and other essential requirements. Furthermore, during the war, formaldehyde was produced in quantity in government plants under the ordnance explosives program. Consumption of formaldehyde on the basis of 37 percent follows:—

Direct military[1]	1,331,000
Foreign	7,524,000
Other uses	476,437,000
Resins, total	243,375,000
Phenolic	137,942,000
Urea and melamine	101,048,000
Other resins[2]	4,385,000
Chemical, total	199,409,000
Hexamethylenetetramine	64,407,000
Pentaerythritol	56,367,000
Rubber chemicals	2,537,000
Other chemicals[3]	77,098,000
Other uses	33,653,000
Textiles	7,998,000
Dyes and intermediates	3,498,000
Leather	2,640,000
Embalming fluid	1,148,000
Drugs and pharmaceuticals[4]	804,000
Paper	624,000
Adhesives and protective coatings	592,000
Disinfectants and insecticides[5]	492,000
Photography	465,000
Miscellaneous uses and small orders[6]	15,392,000

[1] End-use data not available.

[2] Includes formaldehyde used in the manufacture of synthetic resins such as polyvinyl, casein, cashew, phthalic alkyd, and dimethylurea.

[3] Includes formaldehyde used for the manufacture of ethylene glycol, paraformaldehyde, hydroxyacetic acid, citric acid, chlorine, methoxy-methoxy-ethanol and methyl hydroxyacetate.

[4] Roughly half of this quantity was used for processing penicillin.

[5] Includes germicides and fungicides.

[6] Formaldehyde used in the manufacture of theobromine, explosives, boiler-water treating compounds, metal-treating agents, processed oils, other miscellaneous uses, and in research.

Hall Laboratories Transfers Sarcone

F. A. Sarcone, water chemistry engineer for Hall Laboratories, Pittsburgh, has been transferred to the company's St. Louis staff. He will service Hall's clients in Nebraska, Kansas and Oklahoma.

Lewis Chemical Co. Formed

The Lewis Chemical Company has been organized in Boston by Maurice A. Lewis, who recently was with the chemical bureau of the War Production Board. The offices for the new firm are located at 83 Wendell street, Boston 10.

Trade Briefs

E. R. Squibb & Sons, pharmaceutical manufacturer, Brooklyn, N. Y., has elected Lewis F. Powell, jr., Richmond, Va., lawyer, to the board of directors.

Pharmacy school of Temple University has appointed Frances Marr, recently discharged as a captain from the Women's Army Corps, as instructor in its pharmacy laboratory.

Bemis Bro. Bag Company, St. Louis, is issuing a new booklet entitled "Seven Facts About Low-Cost Protective Packaging," copies of which will be supplied upon request to the company.

Mead-Johnson & Co., pharmaceutical manufacturer, Evansville, Ind., has joined the American Fair Trade Council.

W. W. Hodgson, chief industrial engineer for the Continental Can Company, New York, has retired and has been succeeded by L. C. Walgash, who was his assistant.

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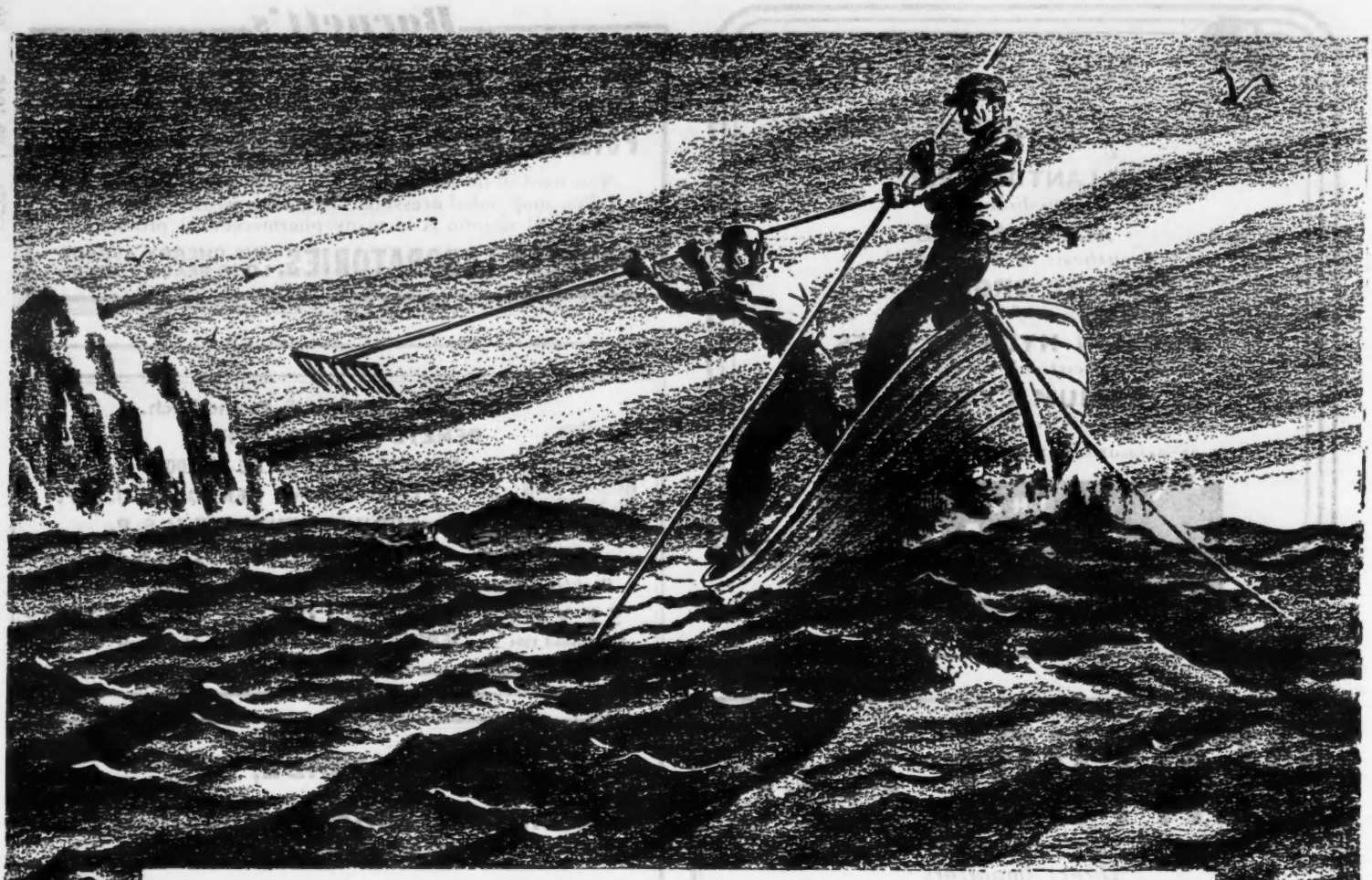

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Botanical Drugs, Spices, Gums

Demand for botanical drugs was but moderately active last week. Consumers showed limited interest in prompt deliveries—which was probably better than if their demands had been at full flood: that type of demand could scarcely be met readily out of spot stocks at this time. Prices for domestic drugs ruled very steady but some unsettlement appeared to be the future of numerous items originating in Middle Europe.

A feature of importance to restoration of depleted stocks was the arrival of what was said to be the first commercial freighter from Genoa, Italy. Aboard were stocks of arnica flowers, colchicum seed, corn silk, hyssop herb, juniper berries, manna flake, and orris root. From this it was deduced that shipping conditions are improving abroad, that the supply situation tends to ease here and abroad, and that fair restoration of stocks may come by the end of next Fall.

Another encouraging feature developed in the market last week was the fact that this increase in supply may be accomplished at prices not as high as had seemed likely a short time back. In fact, some prices on botanicals now being quoted abroad on the basis of cif New York are not always at the high levels formerly considered inevitable because of disorganized commerce and business abroad. Spot prices in some instances are not out of line with replacement costs that are lower than first advices had proposed soon after the war ended. It appears as though the botanical market is working back toward some kind of normality—although probably not toward the prewar variety.

Balsams

Fir—Very firm at the recent advance in prices for Canadian balsam. Demand supported values fully. Oregon balsam still showed signs of slight unsettlement and possible shading.

Peru—The firming of prices continued and some quarters looked for still further rise in spot quotations unless values ease at the source.

Barks

Black Haw—All signs in the domestic primary market point to relatively high prices being paid in an effort to get a fair collection of both root and tree bark. The holdover will be light.

Cascara Sagrada—Labor will soon be going into the northwestern forest to peel this bark but the latest news suggests that it is going to be hard to get enough workers. Lumbering operations are expected to take the major amount of available forest workers. The outlook is not favorable for a large peel of cascara.

White Pine—Practically none is being carried over into the new collection season and a major effort will be needed if anything like a fair stock is to be created against the coming season of consumption.

Beans

Tonka—Spot quotations were higher at 90c. to 95c. per pound for good quality Surinam beans and little competition existed at this level.

Vanilla—Undertones were firm. New orders found few unsold beans in the hands of dealers whose stocks are mainly engaged for ultimate shipment to buyers with outstanding contracts. Nothing in the international situation suggests an early development of a free, unimpeded trading in beans, nor are signs of larger production very encouraging. Local prices were very firm and competition was not very active.

Berries

Juniper—European berries continue to reach this market in substantial quantities. During the past week, 453 bags arrived from Genoa and 960 bags came from Leghorn—both Italian ports of shipment. Spot quotations have been reduced to 35c. per pound for the cheapest grade.

Raspberries—The cost of production is predicted to run high this year and the future outlook for prices much below current levels is not encouraging at this time. Local dealers are watching the primary market closely for a different break than now seems likely in the market.

Market Trends

Prices Advanced

Drugs

Chamomile, Hungarian type, 5c. per lb.
Ginger root, African, futures, 1c. per lb.
Gum arabic, sorts, 1½c. per lb.

Other Articles

Anise, Mexican, futures, ½c. per lb.
Celery seed, Indian, 1¾c. per lb.
Tonka beans, Surinam, 10c. per lb.

Prices Reduced

Drugs

Arnica flowers, 10c. per lb.
Ginger root, Jamaica, No. 2, ¼c. per lb.
Juniper berries, 5c. per lb.
Larkspur seed, 2c. per lb.
Squill root, white, 1c. per lb.

Other Articles

Caraway seed, Canadian, 2c. per lb.
Dutch, ½c. per lb.
Morocco, dewhiskered, futures, 7c. per lb.
natural, 4c. per lb.
Cassia, rolls, China, select, broken, 1c. per lb.
Coriander seed, Morocco, ¼c. per lb.
Poppyseed, Danish, ½c. per lb.
Dutch, 1¼c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
279.4	279.0	281.9	231.3

(For Current Prices see page 9)

Flowers

Arnica—European flowers are beginning to arrive. Last week 81 bags reached here from Genoa and spot quotations were shaded to $2.15 to $2.25 per pound. Costs abroad are likely to pose severe competition for sellers of the article collected here.

Calendula—From Mombassa came 66 cases and this item and, hence, the cultivators in California are finally faced with competition from lands where labor costs are low.

Linden—Shipment prices from primary market points are far below spot quotations. Yet, limited spot supplies hold a firm price position.

Pyrethrum—A further arrival—4,610 bales this time—from Mombassa was noted. Processors indicate probable need for every pound available.

Saffron—Greek saffron was offered at what appeared to be a very low price. The sample was excellent. Spot goods were still in low supply and in strong price position.

Gums

Arabic—Spot quotations were higher at 13½c. to 14c. per pound, nothwithstanding the arrival of 3,806 bags from Port Sudan. No weakness exists at the source and attempts to get bids accepted succeed rarely. Demand here was about as usual.

Locust Bean—Further arrivals were reported. The latest landing was 280 bags which came to a market of fairly steady prices and moderately well sustained consumer demand.

Sandarac—Stocks gained by the arrival of 126 bales from Casablanca, French Morocco. Local stocks were conservative in size. Demand was moderate.

Herbs and Leaves

Belladonna—Indication of what is going to happen regarding European collections are lacking. Some feel

Imports Detained by FDA

Week Ended April 12

New York

Buchu leaves, 70 bales: filthy; excessive foreign matter.
Cassia, 200 bales: insect infested.
Cassia oil, 8 drums; not U.S.P.
Mace, 13 cases: insect infested.
Nutmegs, 210 bags: moldy and wormy.
Poppy seed, 440 bags: filthy.
Squill, white, 175 bags: filthy.
50 packages: insect infested.
Turmeric, 280 bags: insect infested.
Valerian root, 36 bales: excess acid insoluble ash.

Baltimore

Oil, nutmeg, 2 cases: not U.S.P.

Boston

Thyme: filthy.

For Late Market Developments, See Page 4

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Not even the trying conditions of wartime ever succeeded in tempting us into a compromise with quality. Now that consumer standards are gradually but surely climbing back, you owe it to your products to "standardize on Hopkins" as much as possible. It will pay you, as always, to get in touch with us immediately regarding any Foreign or Domestic Botanical Crude Drugs for which you may be in the market.

CHECK YOUR NEEDS NOW

- ☐ Aloes, Socotrine and Cape
- ☐ Althea Root
- ☐ Anise Seed
- ☐ Boldo Leaves
- ☐ Buchu Leaves
- ☐ Colocynth Pulp
- ☐ Colombo Root
- ☐ Fennel Seed
- ☐ Gentian Root
- ☐ Ginger, Jamaica, Calicut, African
- ☐ Gum Arabic Amber Sorts
- ☐ Gum Karaya, Whole and Powder
- ☐ Horehound Herb
- ☐ Juniper Berries
- ☐ Kamala Powder
- ☐ Orris Root
- ☐ Quince Seed
- ☐ Rosemary Leaves
- ☐ Sage Leaves
- ☐ Senna Leaves and Pods
- ☐ Strophanthus Seed 100% Kombe
- ☐ Thyme Leaves
- ☐ Uva Ursa Leaves

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that domestic production in this country will undergo curtailment because of the prospective restoration of foreign shipments.

Henbane—Spot quotations held unchanged at levels considerably in advance of the prevailing cost of replacements in foreign parts. Yet it proves difficult to get steady importations.

Peppermint—Very little spot material is available and local quotations seem close to being nominal. Recently indicated prices for foreign mint were almost sensationally high.

Stramonium—Spot and replacement prices for imported goods are in fairly close alignment and conditions suggested that values might continue stabilized since demand holds steady.

Miscellaneous

Corn Silk—The long expected arrival came to port. It totaled 789 bales from Genoa, Italy, and should be available at fairly attractive prices if the goods get by the Food and Drug Administration.

Irish Moss—Large quantities continue to reach this market, the latest arrival being 25 bales more from Havre, France.

Manna—The awaited event has materialized. A shipment from Genoa, Italy, has reached this country. It totaled 25 cases and will soon receive pricing for consumer operations. The market has been bare for time beyond certain recollection.

Papain—Spot stocks remain below normal despite the arrival of 89 parcels, seven of which came from Colombo and 82 of which originated at Mombassa.

Roots

Aletris—The market shows strength far greater than ordinarily would be the case when new crop collections are about to get underway. But cost prices must rule high at the source if collection is to be stimulated.

Althea—Spot and European replacement prices are not far out of line one with the other. The local supply is poorly distributed and at the best is less than moderate in size.

Blood—Some reason to expect a fairly favorable collection exists, ac-

—*Continued on page 78*

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Lyons Drug Co., 1906

So Ends
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Essential Oils, Other Aromatics

A good volume of business continued to characterize the market for essential oils and aromatic chemicals last week. Of special interest was the decision of the government to appeal the U. S. Custom Court ruling on Ceylon citronella oil. The continuance of the soft coal strike was a disturbing factor to manufacturers of aromatic raw materials, and threatened to make further inroads in production schedules. Imports of essential oils were not particularly heavy, the arrival of 80 drums of natural bergamot oil was the largest importation, while small quantities of eucalyptus, patchouli, petitgrain and vetiver oil also arrived. The upward trend in petitgrain oil prices provided the most important price development. The slightly easier tone in peppermint oil was short lived, and quotations reverted to previous levels.

The government has registered its intention of appealing the Ceylon citronella oil decision handed down by the United States Customs Court last February. The government had sixty days in which to exercise its prerogative of appealing the tariff decision before submitting its appeal through the solicitor general and treasury department in Washington. While the decision of the court was emphatic, it was the contention of the government that the imported merchandise was a combination or mixture containing essential or distilled oils, and as such, was dutiable as a perfume material. The court ruled that Ceylon citronella had not lost its identity for tariff reasons and may be imported duty free.

Aromatic chemicals already in a tight supply position may suffer further cutbacks because of the prolonged soft coal strike and the small inventory of basic coaltar raw materials. Coumarin, musks, phenylethyl alcohol and vanillin were most prominently mentioned as affected by the raw material situation. The expanded demand for these chemicals, and the difficulty in reconversion since the end of the war has made it necessary to allocate available supplies among regular consumers based on previous commitments.

Replacement costs continued to rise for South American petitgrain oil. The limited production and rising costs have prompted sellers at the source to boost the asking price to the basis of $7 per kilo, which would bring the price to approximately $3.25 per pound. Spot prices have advanced steadily in the past few weeks to coincide with the higher quotations at the primary center.

Market Trends

Prices Advanced

Apricot kernel oil, 3c. per lb.
Cardamom oil, $3.50 per lb.
Petitgrain oil, 55c. per lb.
Peppermint, nat., 10c. per lb.
redistilled, 10c. per lb.

Prices Reduced

Coriander oil, $3.50 per lb.
Lavandin oil, 20c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
217.1	216.9	219.7	217.2

(For Current Prices see page 9)

Essential Oils

Angelica—Small lots of root oil made the bulk of the commitments in this direction. Prices ranged from $120 to $140 per pound.

Anise—Lack of buying interest and lower offerings from China kept the tone of the market easy. Offerings were made at $3 to $3.50 per pound.

Apricot—Prices for kernel oil were slightly higher, at 48c. to 55c. per pound. Interest was along routine lines.

Bergamot—Demand for the natural was not too broad, while stocks were adequate on spot. The possibility of dealing direct with Sicily at lower quotations had a tendency to create an easier tone in the market. Imports aggregated 80 cases last week.

Bois de Rose—While no new arrivals were reported, the market appeared sufficiently supplied on spot to take care of nearby needs. Quotations ranged from $5 to $5.50 per pound.

Cardamom—Offerings were made at higher levels which ranged from $20 to $22.50 per pound. Stocks were limited.

Caraway—Stocks of Dutch and Russian supplied the market with enough material to take care of all inquiries. Prices failed to change.

Cassia—Reports indicated that new offerings from China were made at lower prices, while the small spot stocks were not in demand at the moment.

Cedarwood—Tight spot situation continued to characterize the market, as production and raw materials in the South fell far below normal levels. Prices were well sustained.

Citronella—The government has registered its intention to appeal the U. S. Custom Court decision handed down in February relative to the duty free status of Ceylon citronella. The government contends that the material was diluted and as such was dutiable as a perfume material. Imports last week totaled 3 drums.

Coriander—Prices declined to the basis of $19 per pound. Recent shipments from Russia and the prospects of additional imports from this source were reflected in the lower quotation.

Eucalyptus—A total of 6 drums arrived here last week. Shipments have been coming from primary sources in moderate quantities during the past month, but demand was more than sufficient to absorb these offerings.

Geranium—The market was not too well supplied on spot, and replacement costs were a factor in securing additional quantities from primary sources.

Ginger—Usual consumers made commitments commensurate with nearby needs. Prices held at previously established levels.

Guaiacwood—No new developments entered the market. Stocks were in good quantity to meet all consumer needs. Prices unchanged.

Lavandin—Offerings were made in one quarter of the market at $5.05 per pound. Interest in the market was narrow.

Lavender—Quotations for various grades of floral oils held firm, while interest was only moderate. Spanish spike was in fair demand at previous quotations.

Lemon—It was difficult to ascertain the quantities of government surplus oil reaching the market. Some sellers were not interested in the material.

Lemongrass—Available offerings were fairly well absorbed, and prices were firm, reflecting the higher replacement costs at the source.

Lime—Quotations for distilled and expressed oil held at previous levels. Demand continued moderate from regular consuming channels.

Orange—Buying interest remained dull from principal consumers. Spot stocks were maintained at low levels, however, and prices were fully maintained.

Palmarosa—Offerings were limited, and prices held at the $7.75 to $8 per pound level.

Peppermint—The offerings in one direction at lower levels failed to hold, and prices reverted to the $6.25 and $6.55 per pound basis for the natural and redistilled, respectively.

Petitgrain—Prices on spot continued upward and offerings ranged from $3.50 to $3.75 per pound on spot. Reports from South America were to the effect that replacements would range from $3.20 to $3.30 per pound.

Rose—Interest was confined to small lots, while the market appeared adequately supplied with Bulgarian material to meet current needs.

Sage—Demand and stocks were moderate. Prices were well maintained at previous levels.

Sandalwood—Sellers were working against a backlog of orders because of the absence of replacements from India. However, indications were that material would be available soon to take care of some of the pent up demand.

Vetiver—A total of 4 drums reached here last week. Spot stocks of Bourbon were light, while some supplies of Haitian and South American were offered.

For Late Market Developments, See Page 4

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Aromatic Chemicals

Amyl Salicylate—Current market position satisfactory, but raw material situation will be dominant factor for future supplies. Prices were firm.

Benzyl Compounds — Most benzyl compounds were in fair supply, and sellers were able to take care of most inquiries on hand. Prices lacked change.

Coumarin—A backlog of orders remained on sellers' books and orders were subject to delays. Production has failed to measure up to expectations because of the raw material situation.

Heliotropine—A moderate quantity of material was offered to take care of consumers' nearby needs. Prices were unchanged and firm.

Ionone—Prices were fully maintained and reflected the higher raw material costs. Supplies were not too plentiful.

Musk—Ambrette and ketone continued in tight supply, and business was on an allocated basis to regular consumers. Sellers were not in a position to accept new business. Xylol remained in a satisfactory position. Prices unchanged and firm.

Phenylethyl Alcohol—Consumers experienced difficulty obtaining all their requirements as production failed to keep pace with the demand. Prices underwent no change.

Vanillin—Prospects appeared dim for any general improvement in the supply situation for the near future. Sellers were apportioning available quantities to regular consumers based on previous commitments. Prices unchanged.

Citronella Oil

—Continued from page 7

nella oil are geraniol, nerol, citronellol, borneol, and citronellal. These substances are called collectively "total geraniol." The minimum content must be higher than 57 percent. It is possible to influence the distillation of the oil in such a manner, that the "total geraniol" is very high, but the content of citronellal is rather low.

The preparation of these components of citronella takes place by distilling under very low pressure, and the various fractions may be purified by repeating this process. This explains the much higher price of these substances, compared with that of citronella oil.

Ceylon citronella oil contains about 57 percent total geraniol, containing from 5 percent to 16 percent citronellal. Java citronella oil can be of 88 percent total geraniol and contains 35 percent citronellal, 30 percent true geraniol, and about 23 percent esterifiable substances, 5 percent sesquiterpene alcohols, and 7 percent other essential oils.

The Java oil is prepared from special, crossed, cultivated grass and its higher content of valuable substances is the cause that most times the price of the Java quality is much higher than that of others. One of the reasons for a better price is also, that the Ceylon oil often is adulterated with petroleum products, while the Java oil is pure, because of a stringent official control.

In 1937 was founded in Java the official Central Office for Essential Oils. This required all drums of essential oils to be analyzed. The drums of citronella oil must indicate clearly the percentage of citronellal and true geraniol, and also foreign substances must be clearly mentioned. A standard contract was published demanding a minimum total geraniol of 85 percent and 35 percent citronellal. The analysis report must be painted on the drum with white paint.

Perry Bros., Inc., Formed in Brooklyn

Perry Bros., Inc., essential oils and aromatic materials, has been organized in Brooklyn, N. Y., by Herbert E. and Ben R. Perry, both formerly with Aromatic Products, Inc., New York.

Remus Opens Chicago Office

Edward Remus & Co., essential oils and aromatic products, New York, has opened a Chicago office at 209 South State street under the management of Harry Gooby.

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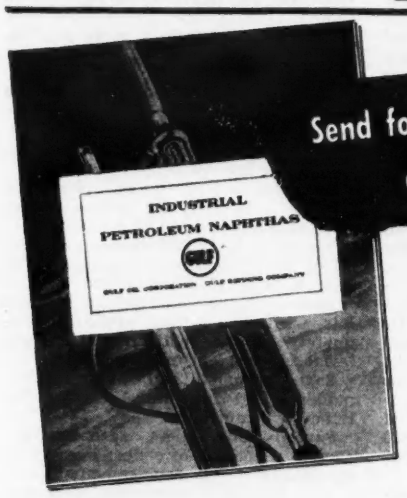

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Petroleum Derivatives

Petroleum chemicals, especially the alcohols, ketones and other solvents, have continued to constitute the focal points of buying interest in the petroleum derivatives market within the past week, with the manufacturers of butyl rubber products and the processors of synthetic resins and plastics appearing as the principal purchasers of ethyl alcohol and the butyl alcohols as well as isopropyl alcohol, methylamyl alcohol, methylethyl ketone and methylisobutyl ketone.

Notable activity and strength have been shown in isobutylene, secondary and tertiary butyl alcohol, diacetone alcohol, isopropyl ether and mesityl oxide. Resultantly, the drain upon current stocks and output of these materials has been considerable and their supply situation has tightened further.

While there has been a further seasonal easing of the supply situations in home-heating light fuel oils and kerosene, with the approaching end of the heating season, the shortage in bunker and other residual fuel oils has continued without perceptible abatement and is still distressing the U. S. Navy and the merchant marine engaged in the transportation of food supplies to Europe. Ordinary grades of gasoline continue plentiful. But there is already some reduction in the output of premium grade gasolines, in consequence of CPA's cutting of allocations of ethyl fluid, in its new order L-355, to 27 percent monthly of the amount used in the three-month period of last November, December and January, while also limiting the pctency of motor gasoline to 80-octane content, so that only those refiners equipped with and employing catalytic cracking units can now turn out any considerable quantity of this fortified "gas."

Market Trends

Prices Advanced

Petrolatum, soft white, ¼c. per lb.
White mineral oils, 2c. to 3c. per gal.

Prices Reduced

None

(For Current Prices see page 9)

Petroleum Chemicals

Allyl Alcohol—Continues to be bought in moderate quantities by makers of certain types of synthetic resins and plastics requiring allyl esters and allyl ethers. Considerable marketing potentialities are also seen for this material as an intermediate in the making of some pharmaceuticals. But current supply is proving adequate for present requirements.

Allyl Chloride—Conditions in the market for this intermediate material, for the making of some kinds of plastics, are similar to those noted for allyl alcohol.

Isobutylene—Being taken up in steadily increasing quantities by the manufacturers of butyl rubber inner tubes, garden hose and other butyl rubber products.

Isopropyl Alcohol—Moving in large volume to manufacturers of phenol compound resins and other resin makers.

Methylethylketone—In constantly mounting demand from producers of cellulose lacquers for automotive finishes and makers of synthetic resins.

Xylol—Despite an increasing call upon producers of petroleum xylol, to meet the heavy requirements of new consumers, whose ranks are being swelled daily, the current output and supply of this base for high-solvency aromatics are proving more than adequate.

Solvents and Diluents

Aromatic Solvents—Synthetic resin makers and other consumers of these high-solvency aromatic naphthas continue buying extensively and are having their orders filled promptly, inasmuch as the processors of these solvents are experiencing no difficulty in procuring as much as they need of petroleum xylol and can also draw heavily upon a plethora of toluol.

Cleaners' Naphtha—Continues in seasonally active call.

Lacquer Diluent—Moving in fair quantities to lacquer manufacturers.

Mineral Spirits—Moderate purchasing continues to be noted in this material.

Stoddard Solvent—Dry-cleaning interests are still buying seasonally heavily of this solvent.

V. M. & P. Naphtha—Buying interest continues keen in this solvent on the part of paint and varnish makers.

Markets at Other Centers

Chicago, April 19.—Good business is reported ruling in petroleum solvents and diluents in this area. Orders indicate a strong volume and tone. Inquiry continues brisk while offerings are not large.

Los Angeles, April 19.—A spirited demand and liberal offerings of everything in the solvents and diluents group except rubber solvent continue to make for an active market on the Pacific coast. Prices are still firm.

Lighter Fractions

Butane—Despite a tapering off in takings by makers of high-octane gasoline, current requirements in this liquefied petroleum gas are again running slightly in excess of the supply.

Heptane—Continues in moderate inquiry.

Hexane—Moving in small quantities.

Octanes—Still being absorbed in fair-sized lots.

Pentanes—In only light inquiry and supply.

Propane—Virtually the same conditions as those outlined above for butane also govern the market for this liquefied gas.

Markets at Other Centers

Chicago, April 19.—Moderate interest is still being manifested by buyers in the liquefied petroleum gases in this area. Material in this category is subject to a fair volume of orders but supplies are not overly extensive.

Los Angeles, April 19.—Propane and butane continue in good demand on the Pacific coast. Supplies in this region are good. Market tone firm.

Petrolatums and Waxes

Microcrystalline Waxes—With current requirements continuing to outstrip current supplies, the market for these petroleum waxes still exhibits considerable tension.

Paraffin—Heavy domestic and export takings of both crude scale and refined grades of this petroleum wax are continuing to make it impossible for producers to accumulate any stocks worthy of the name. Exporters are becoming more clamorous daily in their demands, many of which are going unfilled.

Petrolatums—A flood of new orders is taxing to the utmost the capacities of producers and suppliers of petroleum jellies. Soft white has been advanced in price by a quarter-cent per pound to 5¾c. in carload lots and 6¾c. in less than carlots.

White Mineral Oils—In unabatedly spirited demand. Prices of all the technical grades have been marked up 2c. per gallon and the U.S.P. grades, 2c. to 3c. per gallon, effective April 15. Producers and other suppliers are holding their stocks firmly at the higher levels.

Fuels and Lubricants

Crude Petroleum—A few belated remaining announcements of their posted prices for crude oil in various hitherto unreported oilfields have been made by the purchasing petroleum companies and buying agencies within the past week, showing the same ten-cents-per-barrel markup authorized by OPA as of April 1 and already recorded in the initial and immediately subsequent announcements by the thoroughly integrated companies.

Fuel Oil—Despite the best efforts of several refining concerns to amplify their output of bunker oil and other residual fuel oils, there is still a distressing shortage of these heavy liquid fuels, although there is growing ease in the supply situations of the light domestic fuel oils and kerosene, as the home-heating season draws to a close.

For Late Market Developments, See Page 4

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..have *earned* their reputation as fine products

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ESTEROL (Pure and Modified Alkyd Resins)
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PARAMET CORPORATION
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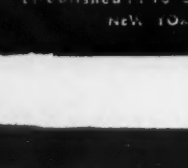

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HEAT RESISTANCE is just one* of SANTOCEL'S 7 superiorities as a flatting agent . . . .

Because Santocel, Monsanto's unique silica aerogel flatting agent, is *unaffected by heat*, the varnishes, lacquers and synthetics in which it is incorporated suffer no loss of flatness, no greying, when force dried or baked. Also, with Santocel in films, there is less tendency to solvent retention. Actually the reverse is true. And in subsequent use Santocel-flatted finishes do not cloud or haze readily under heat as when stearates or diatomaceous earths are the flatting mediums.

This important heat resistance factor, plus the six other superiorities listed here, explain why many leading makers and users of finishes today specify Santocel as the flatting agent.

You are invited to send for full technical data on Santocel, or samples. Address: MONSANTO CHEMICAL COMPANY, Merrimac Division, Everett Station, Boston 49, Mass.

Santocel: Reg. U. S. Pat. Off.

MONSANTO CHEMICALS
SERVING INDUSTRY...WHICH SERVES MANKIND

***Here Are The Other Six**

1. Clarity
2. Hard surface
3. Resistance to marring
4. Delustered appearance
5. Flexibility
6. Better adherence

AHCO PRODUCTS

METHYL "CELLOSOLVE"* STEARATE

METHYL "CELLOSOLVE" STEARATE, a synthetic ester, is used as a plasticizer for cellulose derivative, paper coatings and wax finishes. The following data may suggest other uses.

Chemical formula	$C_{17}H_{35}COOCH_2CH_2OCH_3$
Molecular weight	342
Color (platinum cobalt scale)	175
Melting point	22° to 24°C
Flash point	378°F
Acidity	less than .6 mg. KOH per gram ester
Specific gravity	.888 at 25°/25°C
Iodine value	2 max.

Low volatility

* Trade mark of C&CCC

BUTYL STEARATE

BUTYL STEARATE, a synthetic ester, is used as a plasticizer for cellulose and polyvinyl derivatives, also for cosmetics, paper coatings and wax finishes. The following data may suggest other uses.

Chemical formula	$C_{17}H_{35}COOC_4H_9$
Molecular weight	341
Color (platinum cobalt scale)	130
Melting point	19° to 20°C
Flash point	358°F
Acidity	less than .6 mg. KOH per gram ester
Saponication number	171-179 mg. KOH per gram ester
Specific gravity	.85-.86 at 20°/20°C
Iodine value	2 max.

Low volatility

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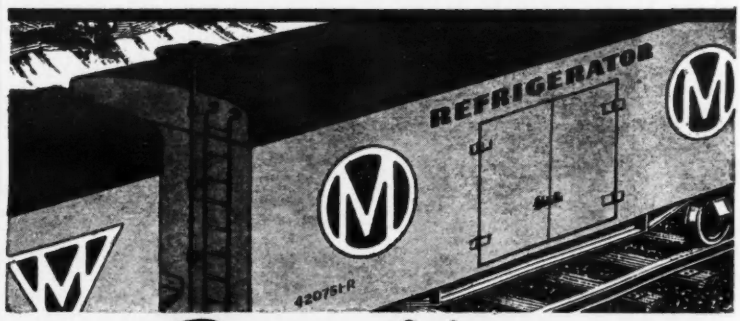

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Rarely are protective coatings called upon to withstand more severe conditions than paints used on freight cars. Mapico Yellows, being pure precipitated oxides of iron have long contributed to the durability of such coatings because they are lightfast and highly resistant to acids, alkalies and stack gases. Chemical and physical stability, fine particle size, high tinting strength and easy grinding are other characteristics which add to the superiority of these pigments. Where long life is a first consideration use Mapico Yellows for outstanding performance.

MAPICO YELLOWS

PURE OXIDES OF IRON

LIGHT LEMON XLO • LIGHT LEMON No. 100 • LEMON ORANGE • DARK ORANGE • DARK ORANGE SPECIAL

COLUMBIAN COLLOIDS

LIGHT LEMON XLO
the newest member of the Mapico Yellow family offers a cleaner tint much more on the yellow side. Its low oil absorption provides
- Faster Wetting
- Higher pigment concentration
- Better gloss and durability

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Look to MAPICO *for Leadership*

Protective Coatings Materials

A spurt in new construction of residential buildings and outdoor painting operations on both old and new dwellings and farm structures, coincident with the advent of milder weather in many parts of the United States within the last fortnight, has gone far toward enheartening the protective coatings industry, with their accompanying urgent calls for exterior paints and stains and only slightly less sizable demands for varnishes and lacquers needed for interior decorations in these buildings. And, although hobbled in some ways by the limitations still placed on permissible supplies of metallic lead and drying oils, and most of the pigments in which they constitute the chief ingredients, as well as by shortages in both natural and synthetic resins, numerous colors, binders and glues, the manufacturers of these coatings are currently reporting a sizable aggregate volume of sales while suppliers of the raw materials are recording a notable gain in the speed and magnitude of their turnover.

Undoubtedly, a still better showing on sales of both materials and finished products could be made, if the protective coatings industry could be freed entirely of its remaining war-imposed shackles on vitally needed paint, varnish and lacquer materials and the virtual ban on new construction and coatings of industrial buildings and could have access to the business of supplying the materials for such consumer goods as motor vehicles, radio and electrical equipment in the huge quantities which would now be pouring forth from the plants making them, had it not been for the work stoppages that have hampered these operations since the outset of this year.

However, steady progress in the direction of a wider opening of these big industrial outlets is being made daily and high hopes are being entertained that the sales of paint, varnish and lacquer supplies to these industries, which have been lagging behind trade-sales since the outset of this year, will soon be accelerated and amplified enormously.

Metallic Lead and Zinc

A fair chance of easing the tension in the metallic lead industry, which has impelled CPA to call upon producers and smelters to adopt voluntary rationing of the metal so as to meet the greatest number of individual needs, after cutting allocations to the manufacturers of lead chemicals from a 48 percent to a 38½ percent quota, is now seen in the plans of the State Department, Commerce Department and CPA for importing into the United States from Mexico and Peru as well as Canada more than twice as much lead in the second half of this year as will have been brought in during the first half.

According to CPA's own figures, the lead industry is now facing a loss of more than 50 percent of the normal domestic production, as a result of management-labor disputes. But it is expected that, if present negotiations are successfully concluded, our imports of lead will be swelled from the estimated 32,500 tons for the first six months to 78,000 tons for the last six months. Yet, as the authorized consumption of lead for 1946 amounts to 1,040,000 tons, while total supplies from all sources, including domestic production, imports and salvage and conservation programs, are expected to amount to only 840,000 tons, there would still be a deficit of 200,000 tons. And, with the Government stockpile frozen at 41,000 tons, it looks as if further cuts in allocations might have to be made, while the Government has to absorb the loss entailed by paying approximately 7¾ cents per pound for the importations and selling it to American consumers who have obtained allocations at the ceiling price of 6½ cents.

Prices of pig lead have continued unchanged for the week April 12-19 at 6.35c. per pound in St. Louis and 6.50c. in New York.

A slight gain is noted in the current production of slab zinc, but the supply of high grade zinc slabs is still below current requirements of the zinc pigment makers. Prices of zinc slabs have remained unaltered for the week April 12-19 at 8.25c. in East St. Louis and 8.66c. in New York.

Market Trends

Prices Advanced

Aluminum powder, 2c. to 3c. per lb.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
140.2	140.2	140.2	140.2

(For Current Prices see page 9)

Pigments

Titanium—Current supplies of TiO_2 are still insufficient for meeting both the Navy and civilian requirements. Nor is it likely that there can be much easing of the supply situation until near the end of this year, when the increased ilmenite-refining plant capacities of the three largest producers are counted upon to swell the output to a moderate extent. Nevertheless, one of the leading producers has continued granting 100 percent quotas on unrated orders, for the current month, at least.

Fillers and Extenders

Charcoal — Additional announcements of markups in the prices of hardwood charcoal, to the full extent of OPA's authorization of March 15, have been made within the past week by producers in Tennessee and Arkansas.

Dry and Chemical Colors

Carbon Black—With the makers of auto vehicle finishes and rubber tires clamoring for more and more of the high color blacks and for both channel and furnace blacks, producers are hard pressed to fill all orders. The paint industry, moreover, is taking a steadily increasing quantity of channel blacks and the inventory of the latter is being further reduced, showing a drop of approximately 1,000,000 pounds to 61,000,000 pounds as of March 30.

Bronze Powders

Aluminum Powders — Belated reflection of OPA's suspension, February 13, of all price controls on aluminum as well as bronze powders and a long list of other non-ferrous metals has been seen within the last week in the action of one of the leading manufacturers of aluminum and aluminum products, advancing prices of aluminum powders from 2 cents to 3 cents per pound, making the revised quotations on standard lining in 200-pound drums, 62c., on litho grade in 150-pound drums, 60c.; on rubber compound and standard varnish, in 200-pound drums, 42c., and on unpolished standard, 38c. The price of extra fine aluminum lining powder has been left unchanged at 93c. It is expected that similar markups will be made shortly in the prices of aluminum pastes and also in those for bronze powders.

Driers and Flatteners

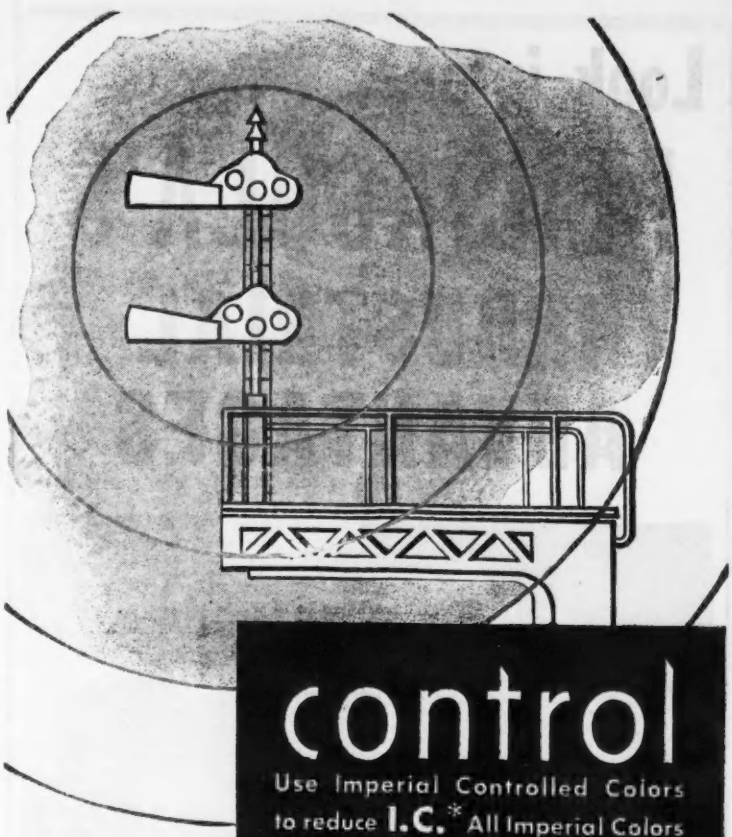
Naphthenates — Manufacturers of paints and varnishes continue buying extensively of all the metallic naphthenates and are experiencing no difficulty in having their orders for these driers filled with a reasonable degree of promptitude, inasmuch as the producers are now well supplied with naphthenic acid.

Stearates—Continue in fairly active demand from the paint makers. Some of the manufacturers of these flatteners are booked up to their plants' full capacities, but most of these producers are still able to accept new orders.

Lacquer Materials

Cellulose Acetate—Buying interest in this material is reaching large proportions daily, as the requirements of the makers of lacquer finishes keep mounting. The Department of Agriculture's Production and Marketing Administration is currently offering from surplus stocks a total of 5,761,605

For Late Market Developments, See Page 4



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NEVILLE
Nevillac OA Plasticizer

Specifications and Properties

Sp. Gr. @ 30°/15.6°C.	0.980 to 1.00
Viscosity (Gardner-Holdt)	W (average) @ 25°C
Distillation by volume	Essentially between 300°C and 375°C
Max. % off @ 300°C.	5%
Refractive Index @ 20°C.	1.5355
Molecular Weight	230
Odor	Sweet Characteristic
Color	Amber
Color Retention	Good

Fields of Use

Adhesives of the waterproof, optical, shoe, packaging and pressure sensitive types;
Paper coatings both waterproof and greaseproof and for ordinary wrap;
Paints and varnishes including laminating varnishes, printing and duplicating inks;
Artificial leather and leather finishes;
Raincoats;
As a plasticizer for ethyl cellulose in lacquers, plastics and stripping compounds.

THIS new plasticizer is an alkylated phenol and has a wide range of solubilities and compatibilities. It is soluble in almost all liquids except water and glycerol. It is compatible with most synthetic resins including cellulose esters and ethers (nitrocellulose, ethylcellulose, cellulose acetate, etc.), vinyl acetate, vinyl butyral, zein, nylon, and partly compatible with vinyl acetate and chloride copolymer.

Being an alkylated phenol, Nevillac OA undergoes typical reactions. For instance, with formaldehyde, oil-soluble phenolic resins are produced which can be formulated as such in varnishes, or can be used in fortifying rosin, rosin esters, alkyd resins and established types of phenolic resins.

Write for gratis sample and further information on Nevillac OA for your particular application.

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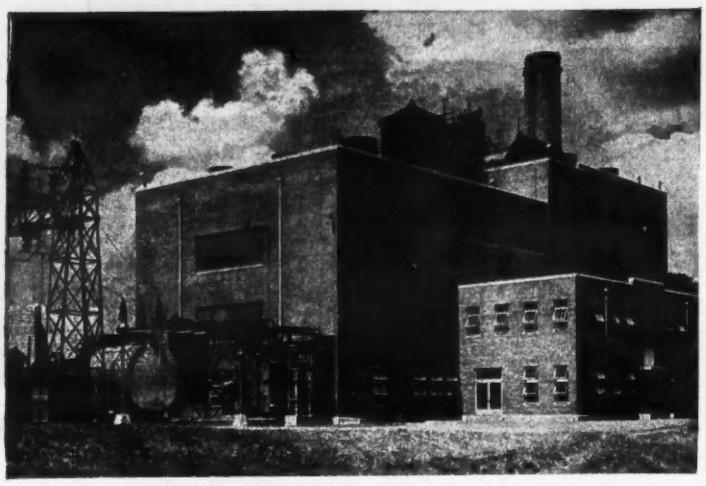

Industry's basic needs are adequately supplied in Pensacola—plus many extra values that give distinct advantages to chemical, plastics, soap, paint and varnish, textile and woodworking industries.

Vast quantities of natural and processed raw materials are close at hand . . . the unlimited water supply is unexcelled in softness and purity . . . electricity, coal and natural gas are inexpensive . . . the ideal climate permits low plant construction and maintenance costs and year-round good working conditions . . . labor is cooperative and easily taught. Taxes are favorable to industry.

Further, Pensacola provides quick access by rail, barge, steamship, highway and air to U. S. and world markets. Pensacola's magnificent harbor is the nearest American port to the Panama Canal and has a 52 hour "turn-around" service to Havana.

All of these factors emphasize the fact that "PEN$ACOLA I$ THE $POT" for industry in the competitive era ahead.

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- **SOFT WATER, 99.98% PURE**
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- **RAW MATERIALS**
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INDUSTRIAL DEVELOPMENT DIVISION . . .
MUNICIPAL ADVERTISING BOARD
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pounds of chemical cotton pulp—cellulose material, originally acquired by the Government for nitration.

Naval Stores

Salient developments of the past week in the gum naval stores industry have been a somewhat accelerated movement of the new crop gum to the stills and thence into the open markets and the establishment by the Civilian Production Administration of a rosin export quota for the April-September period of 250,000 drums of gum and wood rosin, instead of 650,000 drums, so urgently requested by the Gum Naval Stores Industry Planning Committee.

Plans for expanding the size of offerings and scope of trading operations on the Savannah Cotton and Naval Stores Exchange were laid out and discussed at a meeting of the producers held in Valdosta, Ga., April 17.

Rosin—Although the domestic demand for gum rosin has continued to lag, the call for export has grown to still greater proportions within the week, with little being actually shipped out of the country for lack of the necessary export licenses. However, some of these are likely to be granted soon. It is confidently expected by the trade that the export quota of 250,000 drums, which has just been established by the CPA in collaboration with the Office of International Trade Operations, may be increased in the event that stocks of rosin pile up extensively in the South when the gum crop begins to move to market at full speed and full volume.

The April-September export quota has been arranged so that 100,000 drums are allotted for the April-June and 150,000 drums for the July-September periods, exclusive of Canadian shipments. But no intimation has yet been given as to the export quota which is to be granted for the October-October, 1046-March, 1347 period, constituting the concluding half of the naval stores year.

***Savannah, April* 19.—Following is a record of the market for the week:—**

	Price per unit—Low of range quoted				
	Mon.	Tues.	Wed.	Thurs.	*Fri.
B	$6.00	$6.00	$6.00	$6.00	...
D	6.07	6.07	6.07	6.07	...
E	6.60	6.60	6.60	6.60	...
F	6.70	6.70	6.70	6.70	...
G	6.74	6.74	6.74	6.74	...
H	6.76	6.76	6.76	6.76	...
I	6.76	6.76	6.76	6.76	...
K	6.80	6.80	6.80	6.80	...
M	6.82	6.82	6.82	6.82	...
N	6.98	6.98	6.98	6.98	...
WG	7.23	7.23	7.23	7.23	...
WW	7.50	7.50	7.50	7.50	...
X	7.50	7.50	7.50	7.50	...
	Drums				
Sales	16	...	13	48	...
Receipts	...	359	799	25	...
Shipments	...	...	...	...	...
Stocks	4,608	4,967	5,766	5,791	...

* Savannah Naval Stores Exchange closed in observance of Good Friday.

Turpentine—The demand for gum turpentine, both domestic and export, is mounting daily and at present outstripping available supplies, inasmuch as the spirits obtained from the new crop gum are not yet reaching the market in sufficient volume to compensate for the virtual exhaustion of old crop supplies, although new arrivals of the gum from the pine woodlands to the stills are increasing steadily. And this situation is expected to continue until the new crop movement gets further under way.

***Savannah, April* 19.—Following is a record of the market for the week:—**

	Bulk gallons—Cents	Sales	Barrels—Receipts	Shipments	On hand
Monday	83½	...	33	259	1,991
Tuesday	83½	...	61	...	2,052
Wednesday	83½	...	121	297	1,876
Thursday	83½	1,750	348	155	2,069
*Friday	..	...	...	...	...

* Savannah Naval Stores Exchange closed in observance of Good Friday.

Synthetic Resins

Phthalic Resins—The sharply reduced production of phthalic anhydride, resulting from the continuance of the soft coal strike, is badly cramping the manufacturers of phthalic resins in their efforts to amplify their production to the extent demanded by the makers of plastics and plastic finishes.

Varnish Gums

Copal—Only a few new crop offerings of Congo copal gum have recently been made in the primary market for this gum as proffers there are still limited by strictly enforced export quotas. Some of these new offerings have been purchased by American importers, who, no longer restricted in their bids by the old ceiling price limits, have been compelled to pay at least 30 percent more than these former ceilings for the few small lots which they have thus contracted for. But none of the importers who have thus far made purchases from these new offerings in the primary market has yet been able to name prices on this material landed in the United States, under the terms of the new import regulation, although it is expected that widely different landed prices, based on the prices paid in the primary market on each lot thus purchased there will be announced by

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We offer a complete list of LIMEOLITH for paint, rubber, glass, cosmetics, feed and other uses. Guaranteed minimum of impurities and moisture assure easy use.

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FOR ALL PHARMACEUTICAL, COSMETIC AND INDUSTRIAL PURPOSES
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AND PASTE, ALL GRADES

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Here's a new
VARNISH OIL
THAT WILL DRY HARD . . . STEP UP PRODUCTION

DORSCOPOL-L

Nine out of ten varnish men demand *good dry* with *flexibility first* when choosing a varnish oil.

DORSCOPOL-L gives a hard final dry with excellent flexibility . . . no soft, tacky film and no "sweat back" after long drying.

In addition, DORSCOPOL-L has perfect color and color retention, is fast bodying, water resistant, soluble in hard resins, and economical. In other words, DORSCOPOL-L is one of the most versatile varnish oils on the market today.

Samples of DORSCOPOL-L, along with DORSCO'S Technical Bulletin giving full details are available upon request . . . write for yours today.

PROPERTIES OF DORSCOPOL-L			
Viscosity	Z-Z1	Color (H-K)	2
Color (Gardner)	5-6	Acid Value	5-9
Gelation Time 565° F.			90 Minutes
Color retention	Excellent	Flexibility	Excellent
Solubility in hard resins			Excellent

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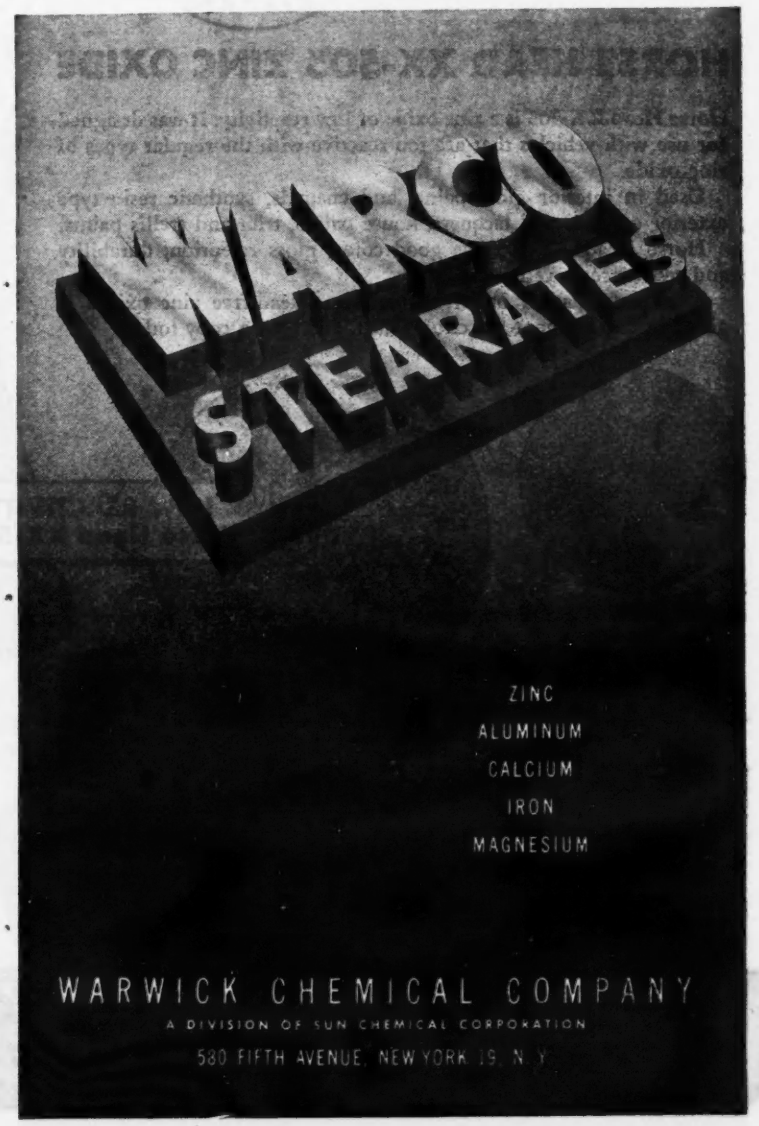

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ALUMINUM
CALCIUM
IRON
MAGNESIUM

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A DIVISION OF SUN CHEMICAL CORPORATION
580 FIFTH AVENUE, NEW YORK 19, N. Y.

these importers, when the gum has reached this country.

Shellac—Although reports from India indicate that the new Bysaikhi crop of shellac bids fair to be the largest in two decades, the customary sellers in the primary market continue to withhold offers. Despite some recent heavy arrivals from Calcutta, contracted for several months ago, the supply of seedlac and T.N. continues very small and the shortage of these grades as well as of superfine is holding down bleaching operations to meager proportions. Latest arrivals from Calcutta have included 4,298 bags of seedlac, 850 bags of garnetlac, 371 bags of refuse or kirilac and 4,872 bags of otherwise unspecified shellac. An arrival of 468 bags of garnetlac from London has also been recorded.

Glues and Binders

Casein—In the absence of any new arrivals of casein from Argentina and because of the ebbtide character of domestic production, operations in the market for this material have come close to a standstill within the past week, despite the recently granted authorization of OPA for domestic producers and other suppliers to engage in open billing of customers, whereby they are permitted to sell whatever they have to offer at the present 24-cents-per-pound ceiling price and bill the purchasers for additional amounts when OPA announces the new ceilings. The industry's advisory committee has asked OPA for a new ceiling level of 38c., but to date no announcement has been made as to that bureau's decision on this point.

Glues—High cost of both domestic and imported gluestock and a shortage in labor supply are still combining to hold down production of both hide and bone glues. And with the approach of the hot weather season, a further reduction in the output of hide glues looms on the horizon of the manufacturers.

Plastic, Coldwater Paint Sales: February

Sales of plastic-texture paints, coldwater paints and calcimines for February, 1946, as reported to the Bureau of Census by 38 identical manufacturers accounting for approximately 87 percent of the total value of sales in these materials shown in the Biennial Census of Manufacturers for 1939, as compared with those for January, 1945:—

Plastic-Texture Water Paints

	Pounds	Value
*Total	1,278,361	$87,008

* Includes paste and dry powder plastic-texture water paints which cannot be shown separately without disclosing the operations of individual companies.

Coldwater Paints

	Pounds	Value
Exterior, lime or cement-bound	2,059,944	$162,478
Casein-bound	337,221	20,559
Interior, casein-bound, paste or semi-paste form	* 187,680	239,892
Dry-powder form	892,774	70,902
Glue-bound	274,851	8,708

* Gallons.

Calcimines

	Pounds	Value
Hotwater	965,928	$45,123
Coldwater	1,087,146	51,259

Sales of these products for February, as compared with those for January, 1946, were as follows:—

	February	January
Plastic paints.....lbs.	1,278,361	1,099,783
value.	$87,008	$75,020
Coldwater paints.....		
value.	$502,624	$467,914
Calcimines .....lbs.	2,053,074	2,466,997
value.	$96,382	$111,035

Joins Truscon Labs

Phil Fogarty has been appointed New York representative of Truscon Laboratories Inc., an affiliate of Devoe & Raynolds Company, paint manufacturer, New York. For the past nine years Mr. Fogarty has been associated with a New York distributing organization which sold protective coatings for concrete and steel.

N.Y. Paint Club Nominates Officers

The nominating committee of the New York Paint, Varnish and Lacquer Association has nominated Leon Davis Eldot, of L. Sonneborn Sons, Inc., for president. Walter M. Clark, Muralo Company, has been named for vice-president and Morton M. Gruber, of the S & W division of U. S. Industrial Chemical, Inc., for secretary. Hendrick E. Hendrickson, of S. Winterbourne & Co., has been nominated for reelection as treasurer.

A. K. Coffin, of Keystone Varnish Company; Lester J. Downes, Payson Paint & Varnish Corporation, and Harry Minkoff, of Peerless Paint & Varnish Corporation, were nominated for two-year terms on the executive committee, and Roy B. Anderson, Brooklyn Varnish Company, was named for a one-year term.

Members of the association will vote on the nominations at the annual meeting in the Biltmore hotel May 9.

Lawson and Ferro Drier Merged to Form New Co.

The Ferro Drier & Chemical Company and W. B. Lawson, Inc., both subsidiaries of the Ferro Enamel Corporation, Cleveland, have been merged into the Ferro Chemical Corporation, with headquarters in that city. W. B. Lawson, who has been president of the two constituent organizations, will continue as president of the new company. Fred W. Kamin has been named sales head for the Cleveland territory.

Cabot Plans Output Increase at Gainesville

The Retort Chemical division of Godfrey L. Black, Inc., carbon black manufacturer, Boston, has started construction of two new retorts at its Gainesville, Fla., plant for the distilling of pine tars and oils. The division has four retorts at Gainesville, with a monthly production of 65,000 gallons, and the additional retorts are expected to increase output by 50 percent.

Lucas & Co. Welcomes Harter with Luncheon

Ralph F. Harter, recently appointed general sales manager for John Lucas & Co., paint manufacturer, Philadelphia, was officially welcomed by Lloyd F. Collister, vice-president and general manager, and William J. Jenkins, treasurer, at a luncheon in the Benjamin Franklin hotel, which was attended by all the company's department heads.

Mr. Harter, who just completed three years service with the Army, succeeds Frank Whittam, retired.

Tung Oil Firm Changes Name

The tung oil import firm of O. E. Vongehr Federal, Inc., Beverly Hills, Cal., has changed its name to Vongehr-Low China Company.

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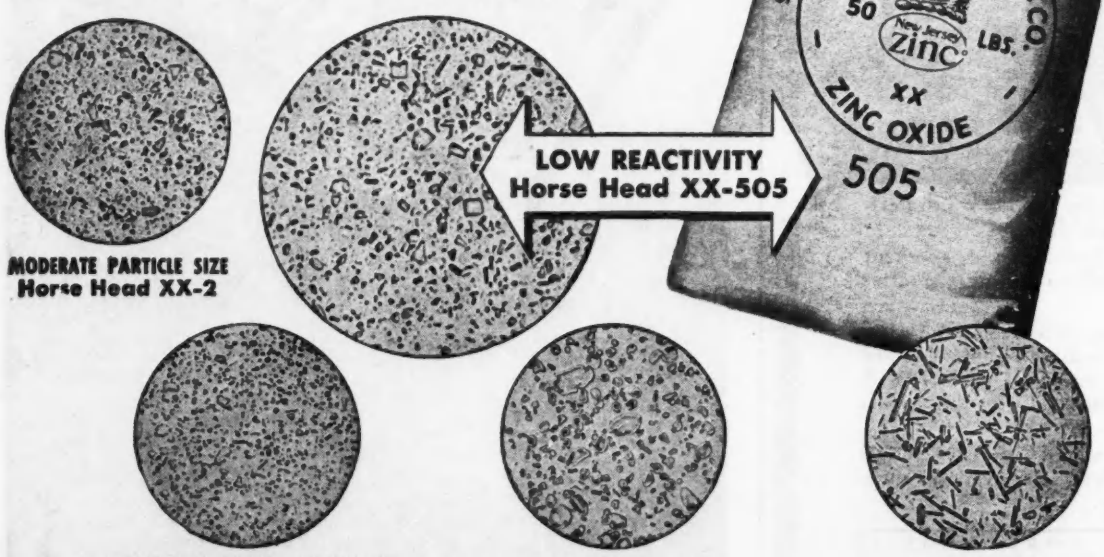

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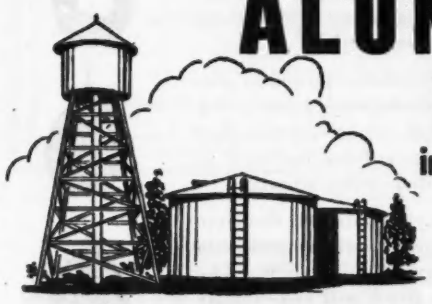

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NPVLA Asks Members For Earnings Data

OPD Washington Bureau

The National Paint, Varnish and Lacquer Association has requested its members to submit data at an early date on their earnings during the period 1936-39 and currently in order to show to the Office of Price Administration the need for price relief from the present ceilings on protective coatings.

In a letter to paint manufacturers, Ernest T. Trigg, president of the association, pointed out that the OPA still maintains its position on the matter of current profits versus base year profits—that so long as price ceilings permit an industry as a whole to continue to equal its earnings in a representative peacetime base period, suitably adjusted for changes in investment, the ceilings may be said to be generally fair and equitable.

He said that the association has heard from a number of manufacturers who feel strongly that there should be some price relief afforded them now that the war is over and because of increases in costs of raw materials, labor and the expense of doing business generally.

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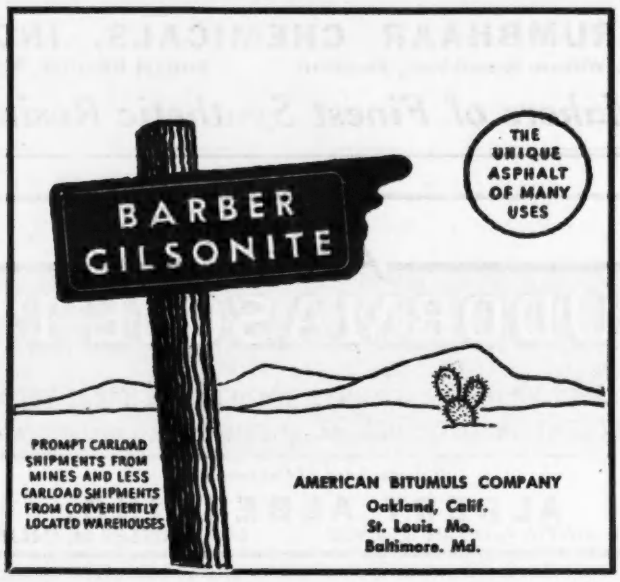

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Oils, Fats, and Waxes

Tight oil supply conditions continued to affect trading during the week. Demand was urgent, but with production of most materials sold well ahead, business was turned down and available supplies were held for delivery against contracts. Importations of oils and fats were light and delivered against prior orders.

Department of Agriculture announced April 15 changes in WFO-42 affecting the packaging of shortening, cooking and salad oil and the canning of fish. Packers are required to pack in each size container during each calendar quarter not less than 95 percent of the total packed in the corresponding quarter of 1944. Under the same amendment, canners of tuna, bonito, yellowtail, and sardines have access only to soybean oil on an ex-quota basis and are restricted to a 30-day inventory of soybean oil, but they may accept delivery if the supply is smaller than 30-day requirements.

The Famine Emergency Committee has recommended that the Department of Agriculture be implemented with authority to further discourage the use of these products in the United States. In order to discourage excessive use of oilseed meals and millfeeds, it is proposed that ceiling prices for these feeds and for flaxseed be increased by the amount judged by the department to be necessary to accomplish the purpose; to speed up exports of oils and fats by the closer trimming of meat; raising the setaside on edible fat and tallow; increasing the procurement of fatbacks for export; increasing the volume of shortening, margarine, and edible oils for export by prohibiting further use of edible tallow and oleo oil in soap; holding the use of imported vegetable oils in soap at its present level and directing all the increase in imports of vegetable oils into making margarine, shortening, and other products.

Market Trends

Prices Advanced

Beeswax, bleached, 6c. per lb.
refined, 3c. per lb.
Carnauba wax, N. C., No. 2, 3c. per lb.
Carnauba wax, N. C., No. 3, 5c. per lb.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
193.5	193.5	193.5	193.3

(For Current Prices see page 9)

Cottonseed Oil

Conditions in this market continued firm and unchanged during the week. Demand for crude and refined oil exceeded the supply, with scattered sales reported at ceilings. The bulk of the crude oil produced of late has been by crushers with refineries and consequently only small quantities appeared in the open market.

Bleachable oil prices follow:—

	Cents per pound in tanks—High.	Low.	Close.
May	....	....	14.31 bid
July	....	....	14.31 bid
September	....	....	14.31 bid
October	....	....	14.31 bid
December	....	....	14.31 bid
March	....	....	14.31 bid

Total sales, none.
Cash, 14.31c. nom.
Crude, Southeast, 12¾c.; Valley, 12¾c.; Texas, 12½c. f.o.b. works (all ceiling prices).

Atlanta, April 18.—In March, Georgia mills produced 69 tanks of cottonseed oil as compared with 125 tanks a year ago. No trades were reported last week—majority of independent crushers have completed their crush. No sales of peanut meal and oil were reported last week. Only one or two mills operating in Georgia and their production is of little consequence.

Memphis, April 18.—Cotton crop preparations under full swing. Considerable yet to be planted. Demand for all cottonseed products continued active, with offers scarce.

Linseed Oil

Tight supply conditions continued to restrict business and also deliveries of oil against former contracts. Lack of seed has compelled the shutting down of a large plant in this area recently reopened and operations will not be resumed until the receipt of Uruguayan flaxseed which was expected to arrive here during the latter part of May.

Department of Agriculture reported the sale of 35,887 pounds of raw linseed oil at 16c. per pound, in drums, f.o.b. Davisville, R. I., on April 10.

Minneapolis, April 18.—Buyers were clamoring for oil but local crushers, who refused to make further sales unless assured of seed supplies, were forced to turn down most of the business. Outlook was very uncertain for the future but it was thought that all mills would be down to 25 percent or 35 percent of capacity by the first of June.

Shipments of linseed oil, in pounds, were as follows:—

	1945-46	1944-45
This week	5,340,000	4,640,000
Since Sept. 1	212,100,000	174,590,000

Flaxseed—Scarcity of seed offerings continued to limit trading to occasional carlots. Demand was urgent.

Minneapolis, April 18.—Cash flax situation continued tight with supplies limited. Little or no relief was expected as the country offered little seed to arrive. Reasons for the lack of offerings varied somewhat, but they all added up to the fact that the country does not seem to be willing to let go of the some 5,000,000 bushels of seed said to be held on farms.

	Receipts 1945-46	1944-45	Shipments 1945-46	1944-45
This week	90,000	70,500	70,900	46,500
Since Sept. 1	19,580,500	9,401,500	3,962,500	1,637,000

Flaxseed in Minneapolis during the week was unchanged at $3.10 (ceiling) per bushel for spot and for forward deliveries.

Buenos Aires, April 18.—Flaxseed shipments totaled 31,000 bushels to the Continent during the week. Visible seed supply was increased to 3,150,000 bushels.

Hull, April 18.—Bombay, £40½, April; Calcutta, £35½, April; La Plata not quoted.

Other Vegetable Oils

Castor, Dehydrated—With production sold up, an urgent demand was unsatisfield. Sales were limited to

Cottonseed Crush Smaller: March 31

Cottonseed received and crushed and production of cottonseed products from August 1 through March 31, 1946, as compiled by Bureau of the Census, follows:—

Cottonseed

	Tons 1945-46	1944-45
Receipts	[1] 3,050,550	4,191,921
Crushed	2,899,177	3,507,550
On hand March 31.	369,721	795,977

Crude Oil

	Tons 1945-46	1944-45
Produced	902,888,000	1,084,362
Shipped	889,890,000	1,076,205
On hand March 31..	[2] 91,650,000	142,994,000

Refined Oil

	Pounds 1945-46	1944-45
Produced	[3] 785,735,000	899,000,000
Shipped	.....	.....
On hand March 31..	[4] 404,645,000	342,252,000

Cake and Meal

	Tons 1945-46	1944-45
Produced	1,279,035	1,609,390
Shipped	1,275,722	1,537,920
On hand March 31..	55,571	104,559

Hulls

	Tons 1945-46	1944-45
Produced	694,274	812,051
Shipped	717,772	769,037
On hand March 31..	38,199	57,807

Linters

	Bales 1945-46	1944-45
Produced	[5] 879,766	1,026,399
Shipped	828,378	989,925
On hand March 31..	[6] 69,964	98,394

[1] Includes 992 and 6,650 tons destroyed during 1945-46 and 1944-45, respectively. Does not include 219,340 and 118,256 tons on hand August 1, 1945, and 1944, respectively, nor 44,570 and 59,709 tons reshipped during the seasons 1945-46 and 1944-45.

[2] Includes 24,321,000 pounds at oil mills, 52,992,000 pounds at refining and manufacturing establishments, and 14,337,000 pounds in transit.

[3] Produced from 865,858,000 pounds of crude oil.

[4] Includes 374,244,000 pounds at refining and manufacturing establishments and 30,401,000 pounds held elsewhere and in transit.

[5] Includes 229,145 bales first cut, 557,994 bales second cut, and 92,627 bales mill run.

[6] Includes 30,683 bales first cut, 32,687 bales second cut, and 6,594 bales mill run.

For Late Market Developments, See Page 4

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small quantities. Prices were firm at ceilings.

Coconut — Offerings of crude oil were reported light, with occasional sales of tankcars transacted at ceilings for prompt and nearby delivery on the Pacific coast. The bulk of supplies there were recently taken for UNRRA.

Oiticica — Consuming inquiry was keen, but trading was quiet, owing to the lack of supplies. Offerings from Brazil also were scarce and were limited to July forward shipment at and above ceilings.

Olive — Importers awaited the issuance of export licenses for the shipment of soybean oil in exchange for olive oil from Spain, Italy, Greece, Lebanon and Syria, which were expected about May 1.

Soybean—This market was quiet, though demand was active for crude and refined oil. Supplies were scarce. Sales of 23,542 pounds of refined oil were made at 14c. per pound, in drums, f.o.b. by the Department of Agriculture, April 9.

Tall — Production was sold well ahead and makers have been compelled to turn down considerable business of late. Deliveries against former contracts were in active request.

Tung—Arrival of 100 long tons of tung oil was noted from Hong Kong on the Pacific coast a week ago for delivery against former contracts. Latest reports from China reiterate the scarcity of offerings of oil for shipment with prices varying daily and quoted above U. S. ceilings. Reports from Hankow stated that plants, tanks, machinery, anything containing metal were either destroyed by bombing or dismantled by the Japanese. Transportation on the Yangtse river has been demoralized by the destruction of steamers and lighters thus preventing shipment of materials to Hankow.

Fats and Greases

Greases — Business continued light though demand was urgent and unsatisfied. Production readily absorbed against former orders.

Lard — Trading was restricted to small quantities and to regular buyers. Chicago lard stocks were indicated at 10,786,368 pounds on April 15, against 12,474,915 pounds, April 1, and 4,340,257 pounds, April 15, last year. Lard and rendered pork fat stocks in the United States on April 1, totaled 81,435,000 pounds, as compared with 90,184,000 pounds, March 1, and 49,728,000 pounds, April 1, a year ago. The five-year average for April 1 was 222,204,000 pounds. Production in February was placed at 157,087,000 pounds and domestic consumption and exports totaled 150,392,000 pounds during the same period.

Tallow—Routine trading continued in this area, with an occassional car sold at the ceiling. Production was light and sold ahead.

Fatty Acids

Red Oil—Firm conditions continued to feature the market. Inquiry was active, but with production sold up, trading was restricted. Prices firm at ceilings.

Stearic Acid—Scarcity of supplies continued to affect business. Demand was active but offerings were light. Market firm at ceilings.

Fish Oils

Consuming inquiry for refined menhaden and sardine oils was active, but trading was dull as limited stocks were held by sellers for delivery against previous orders.

Baltimore, April 17.—Reports about the menhaden fishing fleet expected to become active toward the end of this month in the Florida area stated that there is a general disposition among the fishing companies to get their vessels ready for active work as soon as there are any indications of the presence of the fish. Buying interest was active and it can be said that orders were booked as far back as last November for crude oil on a when-and-if-made basis, and the bidding for oil shows every promise of being spirited.

Cake and Meal

Cottonseed Meal—Overall production will be nearly 300,000 tons less than a year ago. There has been no importation of consequence, while 80,000 tons were imported last year.

Minneapolis, April 18.—Meal buyers continued aggressive, but again the crushers' ability to produce meal was severely limited by the lack of flaxseed and there was not enough of the meal to meet demand.

Shipments of linseed meal, in pounds, were as follows:—

	1945-46	1944-45
This week	8,040,000	7,020,000
Since Sept. 1	295,240,000	235,960,000

Waxes

Beeswax — Increased demand for bleached and refined grades resulted in price advances from 3c. to 6c. per pound. Crude grades were unchanged but firm.

Candelilla—Small quantities on the spot were firmly held at former levels. Offerings from Mexico were reported scarce.

Carnauba—Consuming inquiry continued active for spot stocks and for shipment. Brazilian market was firmer, because of heavy buying for British account. On the spot, prices of No. 2, and No. 3 North country were boosted about 5c. per pound, while other grades were firm and unchanged. No. 3, North country was held at $1.52 per pound, f.o.b. Brazil for prompt shipment and new crop ranged from $1.43 to $1.45 per pound for December-January, same basis.

Ouricury—Trading was reported moderate, with consuming inquiry keen. Offerings for shipments continued light and the market was firm in sympathy with the strength in carnauba.

Paramet Opens Sales Office in Chicago

The Paramet Corporation, paint materials, Long Island City, N. Y., will handle all sales and services in the Chicago area. The Edward R. Dornoff Company, Chicago, had been Paramet's representative in that area for a number of years. William C. Murphy will have charge of the Paramet's Chicago office.

Reynolds Advances Dunn

Donald G. Dunn has been appointed assistant sales manager of the aluminum sales division of Reynolds Metals Company, Richmond, Va. He will have his headquarters in Louisville, Ky.

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Botanical Drugs

—Continued from page 62

cording to dealers recently stimulating primary market activity and arranging to buy collections promptly.

Goldenseal—Production this year can do little to restore normal stocks and prices. Cultivation has been vastly neglected and restoration will require revivication of export interest in the item. Practically nothing is to be had on spot.

Orris—Genoa, Italy, has begun to export Italian orris. Last week, an arrival that totaled 719 bags was noted at this port and more is coming forward. Establishment of firm prices on Florentine and Verona root should be possible soon.

Squill—White whole squill was lower at 10c. to 12c. per pound. Since Italian shipments have opened up fairly well, betterment of stocks is a logical expectation.

Turmeric—Future deliveries to be made here by Jamaica shippers were priced locally at 16¼c. to 16¾c. per pound.

Seeds

Anise—Mexican futures were higher at 34½c. per pound.

Caraway—Domestic seed was quoted once more, this time at 38c. to 38½c. per pound. Imported seed was lower, as follows:—Canadian, 38c. to 39c.; Dutch, 36½c. to 37c.; futures, 29c. to 30c.; Morocco, natural, futures, 33c. to 34c., and dewhiskered, futures, 37c. to 38c.

Celery—Indian seed was advanced to 25¼c. to 25¾c. per pound and futures were up to 25½c. to 26c.

Colchicum—From Genoa, Italy, came one bag of this item available here after a long absence from spot stocks.

Coriander—During the past week 500 bags of Argentine seed reached this market. Morocco coriander was shaded to 8¼c. to 8¾c. per pound.

Cumin—Persian seed in future arrival position was offered at 31c. to 32c. per pound, contrasting with the spot at 36c.

Larkspur—Further addition to spot supply totaled 45 bags and brought spot prices a shade lower at 80c. per pound.

Mustard—Trading in new crop domestic futures has started. Danish seed stocks on spot increased by the arrival of 946 bags from Copenhagen.

Poppy—Dutch seed was down to 37c. to 37½c. per pound. Danish seed also could be had at that price. Swedish seed was reduced to 32½c. to 33c., and 200 bags arrived from Gothenburg. Arrivals from Copenhagen, Denmark, totaled 69 bags.

Spices

Cassia—From Hongkong came 1,938 bales of China cassia last week. Prices for extra select, broken, were lowered to 41½c. to 42c. per pound. Also, 40 bags of cassia buds reached this port.

Ginger—African futures were higher at 14½c. to 15c. per pound. More tendency to shade prices developed in Jamaica. No. 3 on spot was down to 16c. to 16½c.

Pepper—The Production and Marketing Administration of the Department of Agriculture reported purchase on March 25 of two lots of pepper for a total of 2,695,000 pounds. It comprised 2,295,000 pounds of black and 400,000 pounds of white. Late last week the local trade declared the release by the indicated administration had been a mistake—an error—a faux pas.

Markets at Other Centers

Los Angeles, April 17.—Market conditions remain much the same as in previous weeks, with almost all supplies short. Prices are steady, the market quiet. Prices are:—

Marjoram — French type, 35c. per pound in dried form.

Sage—Dalmatian type, 40c. per pound for lots said to contain less than 12 percent stems. Sage guaranteed to contain less than 5 percent stems was named at 65c. per pound. Leucophylla was quoted at 32c. per pound.

Savory—French type, 75c. per pound.

Sweet Basil—90c. per pound for lots containing less than 12 percent stems.

Thyme—French type, 90c. per pound in dried and clean form.

CCC Commodity Stocks

Inventories of basic commodities owned or held as loan collateral by the Commodity Credit Corporation and of general commodities owned by CCC are reported by the Department of Agriculture, on the basis of reports received through February, to have included at January, the following stocks:—

Basic Commodities

	Obligated (enroute to program or committed)	Free balance
Flaxseed ..... bus.	.....	510
Oil, coconut ..... tons.	10,746	.....
Cottonseed ..... tons.	141	.....
Linseed ..... tons.	.....	12,485
Neatsfoot ..... tons.	1	.....
Palm ..... tons.	11	.....
Palmkernel ..... tons.	1,081	.....
Rapeseed ..... tons.	727	.....
Sunflower seed .. tons.	183	.....
Tung ..... tons.	216	.....
Oils, vegetable (1945) .. lbs.	22,783	.....
Peanuts ..... lbs.	6,700,000	28,019,203
Rosin ..... tons.	.....	1,376
Soybeans ..... bus.	*8,758,957	664,732
Turpentine ..... gals.	101,000	.....

* Including stocks held by processors for repurchase from CCC.

General Commodities

	Owned outright
Acetic acid, glacial, U.S.P. ..... lbs.	136,120
Baking powder ..... lbs.	85,500
Hops ..... lbs.	13,977
Lard and other animal fats .... lbs.	62,991,038
Milk, dried ..... lbs.	59,233,985
Naval stores ..... lbs.	1,107,925
Oils, vegetable ..... lbs.	2,321,470
Oleomargarin ..... lbs.	18,522,625
Pectin, dry ..... lbs.	8,000
Rennet powder ..... lbs.	661
Shortening ..... lbs.	6,633,678
Soap and related products ..... lbs.	11,471,700
Soapstocks ..... lbs.	60,321
Soybeans ..... lbs.	60,000
Starch, laundry ..... lbs.	27,184
Vitamins and preparations ..... lbs.	.....
kilos.	3,497
M/U.	2,255,168
Tablets ..... lbs.	101,513,000
Yeast ..... lbs.	31,160
Tablets	2,232,000

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Dr. H. S. Paine, since 1944 technical consultant for the Refined Syrups & Sugars Inc., New York, has been named vice-president in charge of research and development.

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Advertising Index

Acme Refining Corp. 65
Albek, Albert, Inc. 71
Allison, Wm. M., & Co. 78
Alrose Chemical Co. 58
Amcon Trading Corp. 73
American Agricultural Chemical Co. 1
American Bitumuls Company 72
American British Chem. Supplies, Inc. 39
American Can Co. 19
American Firstoline Corp. 69
American Potash & Chemical Corp. 52
Angus, W. W., Inc. 80
Ansul Chemical Co. 43
Arista Oil Products Co. 74
Armour Chemical Div. 72
Arnold-Hoffman & Co., Inc. 66

Baker, J. T., Chemical Co. 8
Barcan, Irving, Co. 76
Barclay Chemical Co. 77
Barium & Chemicals, Inc. 40
Barnett Laboratories 59
Barrett Division 45, 46
Bethlehem Steel Co. 47
Binney & Smith Co. 66
Birch-Kline Co., Inc. 59
Brill Equipment Co. 77
Brode Corp., The 73
Burke, Edward S. 57

Calif. Fruit Growers Exchange, Products Dept. 24
Carbide & Carbon Chemicals Corp. 2
Centflor Manufacturing Co. 64
Ceramic Color & Chemical Mfg. Co. 40
Chemical & Process Machinery Co. 77
Chemical Products Corp. 43
Chemical Sales Corp. 80
Chemical Solvents, C. P., Inc. 80
Chemo-Puro Mfg. Corp. 53
Church & Dwight Co., Inc. 39
Coleman & Bell Co. 58
Columbian Carbon Co., Magnetic Pigment Div. 66
Commercial Solvents Corp. 6
Concord Chemical Co. 75
Consolidated Chemical Industries, Inc. 38
Consumers Import Co., Inc. 59
Consolidated Products Co., Inc. 76
Continental Commodities Corp. 78
Crosby Chemicals, Inc. 69
Croton Chemical Corp. 43
Cyclo Chemical Corp. 59

Darling & Co. 75
Deep Rock Oil Corp. 65
Delton Products Corp. 42
Diamond Alkali Co. 41
Dickerson Company 45
Diehl, Wm., & Co. 73
Distillation Products, Inc. 53, 57
Doggett, Stanley, Inc. 72
Dorward & Sons Co. 69
Dow Chemical Co. 20
Duff Chemical Co., Inc. 40
Du Pont de Nemours, E. I., & Co., Inc. 38

Edcan Laboratories. 58
Edwal Laboratories. 59
El Dorado Oil Works. 75
Emsco Equipment Co. 77
Eston Chemicals, Inc. 39

Faesy & Besthoff, Inc. 80
Fairmount Chemical Co., Inc. 64
Felton Chemical Co., Inc. 64
Fezandie & Sperrle. 49
Filtrol Corp. 18
First Machinery Corp. 76
Fisher Chemical Co. 55
Florasynth Laboratories, Inc. 63
Freeport Sulphur Co. 30
Fritzsche Bros., Inc. 63

Gartenberg, H., & Co., Inc. 49
Gelb, R., & Sons, Inc. 76
General American Transportation Corp. 23
General Biochemicals, Inc. 52
General Drug Co. 25
General Mills, Inc. 79
Golwynne Chemicals Corp. 13
Gray, William S., & Co. 1
Greeff, R. W., & Co. 15, 57
Gross, A., & Co. 75
Gruman, J. B., Co. 44
Gulf Oil Corp. 64

Hardesty, W. C., Co. 73
Heller, Chas. A., Co. 64
Heyden Chemical Corp. 52
Hoffmann-La Roche, Inc. 54
Hooker Electrochemical Co. 10
Hopkins, J. L., & Co. 61
Hunt Chemical Works, Inc. 42
Hutchinson, D. W., & Co., Inc. 63

Imperial Paper & Color Corp. 67
Industrial Products Mfg. Co. 71
Industrial Raw Materials Co. 64, 73
Inland Alkaloid Company 53
Inland Steel Container Co. 42
Interboro Chemical Co. 42
International Selling Corp. 43

Jones & Laughlin Steel Barrel Co. 14

Kansas City Limeolith Co. 68
Kelco Company 61
Kendall Refining Co. 28
Kentucky Color & Chemical Co., Inc. 68
Keto Chemical Co. 55
Kettner, Max, Co. 78
Kolker Chemical Works. 43
Koppers Company, Inc. 47
Koster Keunen Mfg. Co., Inc. 73
Kruger, L., & Co. 71
Krumbhaar Chemicals, Inc. 71

Lamex Chemical Corp. 57
LaPine, Arthur S., & Co. 52
Lemke, B. L., Co. 57
Leonhard, Theodor, Wax Co., Inc. 74
Lever Brothers Company 52
Loeb, H., & Son 76
Loeb Equipment Supply Co. 77
Lucidol Corp. 55
Lueders, George, & Co. 63

Machinery & Equipment Corp. 77
Magnetic Pigment Division Columbian Carbon Co. 66
Magnus, Mabee & Reynard, Inc. 63
Mathieu, A. H., & Co., Inc. 40
McKesson & Robbins, Inc. 51
Mefford Chemical Co. 52
Metalsalts Corp. 51
Michigan Chemical Corp. 40
Mineral Pigments Corp. 71
Miranol Chemical Co., Inc. 40
Moesch, Walter, & Co. 74
Monsanto Chemical Co. 35, 66
Montrose Chemical Co. 15
Mutual Chemical Co. of America 49

National Rosin Oil & Size Co. 72
Natural Products Refining Co. 49
Naylee Chemical Co. 43
Neuberg, William D., Co. 11
Neville Company 67
Newark Steel Drum Co. 42, 76
New Jersey Zinc Company 70
New York Color & Chemical Co. 42
Niacet Chemicals Corp. 40
Niagara Chlorine Products Co. 49
Norda Essential Oil & Chemical Co., Inc. 64
Nuodex Products Co., Inc. 48

Pacific Coast Borax Co. 1
Pancoast, B. K., Co., Inc. 78
Paramet Corporation. 66
Parsons, M. W. 72
Peek & Velsor, Inc. 62
Penick, S. B., & Co. 60
Pennsylvania Coal Products Co. 52
Pennsylvania Refining Corp. 65
Pennsylvania Salt Mfg. Co. 27
Pensacola Municipal Advertising Board 68
Petrolite Corp., Ltd. 75
Pfizer, Chas., & Co., Inc. 37
Philipp Brothers, Inc. 43
Pittsburgh Coke & Chemical Co. 16
Pittsburgh Plate Glass Co., Columbia Chemical Division 12, 39
Polak & Schwarz, Inc. 64
Potash Co. of America 45
Prentiss, R. J., & Co., Inc. 55, 62
Prior Chemical Corp. 1
Procter & Gamble 52, 74
Publicker Industries, Inc. 1
Pure Calcium Products Div. 1
Purocaine, Inc. 53

Read, Chas. L., & Co., Inc. 39
Reichhold Chemicals, Inc. 29
Republic Textile Equipment Co. 77
Riches-Nelson, Inc. 40
Rieke Metal Products Co. 56
Rosenthal, H. H., Co. 40

Schimmel & Co., Inc. 64
Seydel Chemical Co. 59
Sharples Chemicals, Inc. 80
Shell Chemical Corp. 17
Shell Oil Co., Inc. 72
Silmo Chemical Corp. 52
Skelly Oil Co. 32
Smith Chemical & Color Co., Inc. 80
Solvay Sales Corp. 31
Southern Acid & Sulphur Co., Inc. 43
Standard Alcohol Co. 72
Standard Brands, Inc. 50
Standard Oil Co. (Indiana) 22, 65
Standard Specialty & Tube Co. 57
Standard Ultramarine Co. 68
Stauffer Chemical Co. 42
Stein Equipment Co. 77
Sun Oil Co. 21

Tarzana Herb Farms. 78
Tennessee-Eastman Corp. 26
Tennessee Products Corp. 38
Thurston & Braidich. 78
Trade Laboratories. 58
Truesdail Laboratories, Inc. 57
Turner, Joseph, & Co. 75

Union Standard Equipment Co. 77
U. S. Steel Products Co. 48
United States Potash Co., Inc. 45
Utility Color Company 72

van Ameringen-Haebler, Inc. 64
Van Camp Laboratories. 78
Velsicol Corp. 33
Victor Chemical Works. 44
Virginia Smelting Co. 40
Virginian Gasoline & Oil Co. 64
Vitamoil Laboratory, Inc. 59
Vitro Manufacturing Co. 43
Vulcan Chemical Co. 71

Warwick Chemical Co. 69
Wheeling Corrugating Co. 34
Will & Baumer Candle Co., Inc. 74
Williams, C. K., & Co. 71
Wilson-Martin Div. 73

Ziegler Pharmacal Co. 58
Zink & Triest Co. 78
Zinsser & Co., Inc. 43

Classified Advertisements will be omitted until further notice.

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	1945	1944
Net income	$4,396,187	$3,045,818
Per share	4.03	2.71

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	1945	1944
Net income	$2,385,073	$2,415,072
Per share	3.02	3.69

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